

KENNETH SCHMITT
Town Supervisor

TOWN OF CARMEL
TOWN HALL

ANN SPOFFORD
Town Clerk

SUZANNE MC DONOUGH
Town Councilwoman
Deputy Supervisor

60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 • Fax (845) 628-6836
www.carmelny.org

KATHLEEN KRAUS
Receiver of Taxes

MICHAEL A. BARILE
Town Councilman
FRANK D. LOMBARDI
Town Councilman
ROBERT F. SCHANIL, JR.
Town Councilman

MICHAEL SIMONE
Superintendent of Highways
Tel. (845) 628-7474

TOWN BOARD WORK SESSION
Wednesday, June 9, 2021 7:00pm

PLEDGE OF ALLEGIANCE - MOMENT OF SILENCE

6:00pm Executive Session

1. Police Chief Anthony Hoffman – Police Personnel
2. Personnel – Police Retirement Incentive
3. PBA Contract Negotiations

Town Board Work Session:

- Review of Town Board Minutes May 19, 2021
1. Police Chief Anthony Hoffmann – Consider Request to Authorize Tuition Reimbursement – P.O. Crecco (\$1,304.30)
 2. Michael Carnazza, Building & Codes Enforcer – Consider Request to Accept Proposal for Property Clean Up – TM#76.17-1-28
 3. Consider Discussion and Scheduling a Public Hearing In Regards to a Proposed Local Law Amending Chapter 104 of the Town Code of the Town of Carmel entitled, “Noise”
 4. James Gilchrist, Director of Recreation and Parks – Consider Request to Authorize Disposal of Old and Obsolete Equipment (Car#42 - 2010 Ford Crown Victoria)
 5. James Gilchrist, Director of Recreation and Parks – Consider Request to Accept Proposal for the Purchase and Installation of Security Alarm System – Airport Park
 6. Richard Franzetti, PE, Town Engineer – Consider Request to Accept Proposal for Engineering Services – Membrane Filtration System Upgrades Program CSD#2
 7. Richard Franzetti, PE, Town Engineer – Consider Request to Acknowledge Emergency Repairs and Services – CSD#4
 8. Richard Franzetti, PE, Town Engineer – Consider Request to Advertise for Bids for the Purchase and Installation of Grit Classifier – CSD#2
 9. Richard Franzetti, PE, Town Engineer – Consider Request to Advertise for Bids for the Purchase and Installation of Bar Screen Mechanism – CSD#2
 10. Richard Franzetti, PE, Town Engineer – Consider Request to Advertise for Bids for the Sidewalk Replacement in the Hamlet of Carmel

11. Richard Franzetti, PE, Town Engineer – Consider Request to Award Bid for Chemical Supplies to the Various Water and Sewer Districts
12. Richard Franzetti, PE, Town Engineer – Consider Request to Award Bid for Cleaning Services – Town Hall Building Including Police Department
13. Richard Franzetti, PE, Town Engineer – Consider Request to Authorize Purchase and Installation of Microfiltration Feed Pump – CSD#2
14. Mahopac Volunteer Fire Department – Consider Deletions to the Active List
15. Consider Request to Waive 30 Day Notice of the ABC Law in Regards to a Liquor License RC Pizza Restaurant LLC d/b/a Europa Pizza 178 Route 52
16. Lake Mahopac Park District – Consider Approval and Distribution of the Annual Newsletter

- **Public Comment (Three (3) Minutes on Agenda Items Only)**
- **Town Board Member Comments**

Open Forum:

- **Public Comments on New Town Related Business (Three (3) Minutes Maximum for Town Residents, Property Owners & Business Owners Only)**
- **Town Board Member Comments/Announcements**
- **Adjournment**

Executive Session:

1. Richard Franzetti, PE, Town Engineer – CWD#2 Capital Plan - Carmel Wastewater Treatment Plant – Land Acquisition Update



**TOWN OF CARMEL
POLICE DEPARTMENT**

60 MCALPIN AVENUE, MAHOPAC, NY 10541
TEL (845)628-1300 FAX (845)628-2597
POLICE@CI.CARMEL.NY.US

ANTHONY HOFFMANN
CHIEF OF POLICE

MEMORANDUM

TO: Carmel Town Board
FROM: Chief Anthony Hoffmann
SUBJECT: Tuition Reimbursement – PO Crecco
DATE: May 25, 2021

I respectfully request that the Town Board grant approval for Police Officer Sandy Crecco's college tuition reimbursement request. This request includes payment for 8 credits taken at SUNY Empire College. The total amount of tuition for this request is \$2,608.60, of which \$1,304.30 is reimbursable as per the current PBA contract. To date, PO Crecco has earned roughly 103 college credits toward a bachelor's degree in a police related field of study. PO Crecco will continue his studies with the ultimate goal of achieving his Bachelor of Science degree in Sociology.

Supporting documentation from SUNY Empire State College is attached.

Submitted for your consideration and approval.

A handwritten signature in black ink, appearing to read "Anthony Hoffmann", is written over a horizontal line.

Chief Anthony Hoffmann

(/StudentSelfService/)

Sandy Crecco

View Grades

Student Grades - Sandy Crecco [REDACTED]

Spring 2021

Undergraduate

GPA Summary View Details

4.00	4.00	0.00	4.00
Selected Term	Institutional	Transfer	Overall

Primary Curriculum View Details

Level : Undergraduate
 College : Sch of Undergraduate Studies
 Degree : Bachelor of Arts
 Program : BA

Course Work

Search by Course Title or Subject Code

Subject	Course Title	Campus	Midterm Grade	Final Grade	Attempted Hours	Earned Hours	GPA Hours	Quality Points	CRN	Action
SOCI 4030, 01	Power & Privilege	ONL		A	4.000	4.000	4.000	16.00	10708	
EDPL 3010, 240	Educational Planning: Adv II	EMP		P	4.000	4.000	0.000	0.00	16137	



Your payment in the amount of \$2,608.60 was successful. A confirmation email was sent to [REDACTED]. Please print this page for your records. To view all payments, go to My Account > Payment History.

Payment date: 1/12/21

Amount paid: \$2,608.60

Transaction type: Purchase

Student name: Sandy Crecco

Paid to: SUNY - Empire State College
2 Union Ave
Saratoga Springs, NY 12866
UNITED STATES

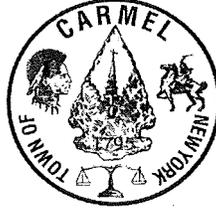
Web address: [REDACTED]

Payment method: [REDACTED]
XXXXXXXXXXXX [REDACTED]
Card not present for this transaction.

Name on card: [REDACTED]

Michael G. Carnazza
Director of Code Enforcement

(845) 628-1500 ext. 170
Fax(845) 628-7085



Office of the Building Inspector
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Supervisor Kenneth Schmitt
Town Board

From: Michael Carnazza, Building Inspector 

Date: June 2, 2021

Re: Property Maintenance Cleanup
TM#76.17-1-28

Please be advised, I sent out bid specifications to four contractors for the cleanup off Union Valley Rd. in Mahopac.

I only received three bids back (copies attached). The low bidder was Certified Contracting Services Inc. at \$2500.00.

If possible, I would like to get the property cleaned and secured as soon as possible to minimize any further dumping on this site.

Thank you,

Certified Contracting Services Inc.

388 Route 6, Mahopac NY 10541

Phone 845-208-7095 Fax 845-621-5766 Email CCS13886@Gmail.com

License #s PC7473 WC3052HD8

May 17th, 2021

Estate of David Parent
200 Union Valley Rd
Mahopac NY 10541
TM# 76.17-1-28

Bid# 051700205

RE: Property maintenance and clean up

We will remove all dumped litter/debris from the front area along Union Valley Road (oil tank, washer, file cabinet, couch, mattress, wires, foam, furniture, tiles, etc.)

We will move large rocks already at the property to the property line to deter people from dumping any additional litter/debris on the property.

We will install 2 metal posts and a cable at 24 feet wide at westerly entrance (for F.D. and P.D. access), posts must be 3" in diameter galvanized pipe, in concrete 42" below grade.

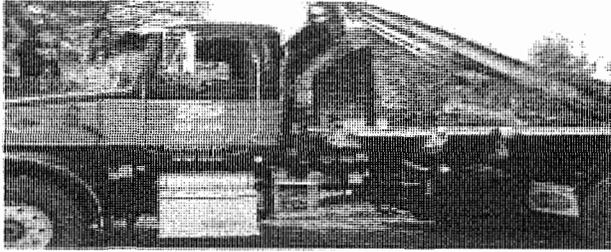
We will close off other entrance with rocks.

We will provide all heavy duty cable, master combination lock, and NO TRESPASSING sign at entrance.

We will complete all work within 3 weeks of bid acceptance.

The above work will be performed for a total of: \$2,500.00

Mike's Blue Wheel Service. Inc.



www.mikesbluwheels.com

225 Wood Street, Mahopac, New York 10541

845.528.3889 Telephone * 845-528.0051 Fax
mikesbluwheels@optimum.net

Complete Lawn Maintenance

Supply Yard Location: 160 Bryant Pond Rd, Mahopac, NY 10541

May 25, 2021

Michael Carnazza
Director of Code Enforcement
Building Inspector
Town of Carmel
60 McAlpin Ave.
Mahopac, N.Y. 10541

Re: Estate of David Parent

TM#76.17-1-28

The price quoted below is for Property Maintenance Cleanup at 200 Union Valley Rd, Mahopac, NY 10541 as per attached request:

Total Lump Sum Price \$3,750.00

If you may have any questions please call the office.

Thank you for giving us the opportunity to quote you on this project.

Sincerely,

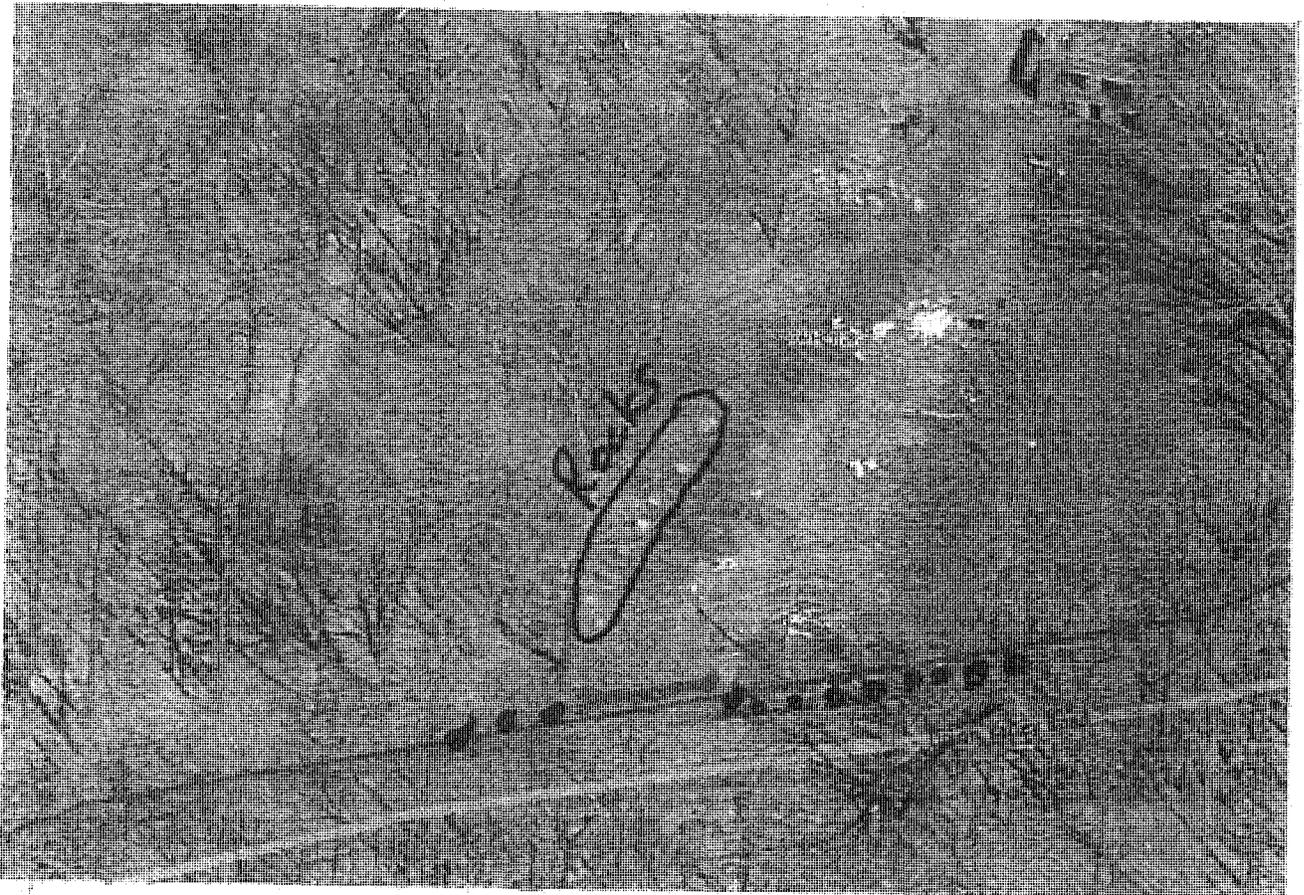
Mike's Blue Wheels Service Inc

attachment (1)

Estate of David Parent
200 Union Valley Rd.
Mahopac, N.Y. 10541
TM#76.17-1-28

RFP for Property Maintenance Cleanup

- Clean and remove all dumped litter/debris from front area along Union Valley Rd. (oil tank, washer, file cabinet, couch, mattress, wires, foam, furniture, tiles, etc.)
- Move large rocks already at the property to the property line to deter people from dumping any additional litter/debris on property.
- Install 2 metal posts and a cable at 24 feet wide at westerly entrance (For F.D. and P.D. access). Posts must be 3" diameter galvanized pipe, in concrete, 42" below grade.
- Close off other entrance with rocks.
- Provide heavy duty cable, Master Combination Lock and NO TRESPASSING sign at entrance.
- All work must be completed within 3 weeks of acceptance of the bid.



04/19/2020

Putnam Property Maintenance Inc
 6 Mechanic St
 Carmel, NY 10512 US
 ppmpro2007@yahoo.com

Estimate

ADDRESS
Town of Carmel Building 60 McAlpin Ave. Mahopac, NY 10541

ESTIMATE #	DATE
1065	05/20/2021

DATE	SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
	Excavation	Clean up of 200 Union Valley Road will include: *Removal of all garbage and debris from the road to the fenced in area. * Move the large rock down to the road side to deter people for entering the property. * Install 2 galvanized 3" posts 42" belong grade and 4' out of the ground. Opening of 24' wide between the post. * Cable will be installed between the post. * White PVC pipe will go over the cable for safely. * NO Trespassing sign will hang from the cable. *The other entrance will also be closed off with rocks. PRICE IS BASED ON NON-PREVAILING WAGE.	1	4,800.00	4,800.00

TOTAL

\$4,800.00

Accepted By

Accepted Date

PROPOSED LOCAL LAW #OF THE YEAR 2021

BE IT ENACTED BY THE TOWN BOARD OF THE TOWN OF CARMEL, COUNTY OF PUTNAM, STATE OF NEW YORK AS FOLLOWS:

SECTION 1 : AUTHORITY

This chapter is adopted pursuant to the authority, of Article 2, §10 of the New York State Municipal Home Rule Law.

SECTION 2 : AMENDMENT OF CHAPTER 104

Chapter 104 of the current Code of the Town of Carmel entitled “Noise”, specifically Section 104-6 is hereby amended to read as follows:

§ 104-6 Permit fees; Duration for Specific Zoning Districts; exemptions.

- A. The Town Clerk shall collect a fee for each permit for the use and operation of sound devices, loudspeakers, amplifier(s) and/or apparatus, as defined herein.
- B. Each permit issued by the Town Clerk shall be valid for a period not to exceed three (3) calendar days.
- C. Prior to the issuance of any such permit under this article, the applicant shall provide proof to the Town Clerk that the owner of each improved property located within **100 (one hundred) feet** of any boundary of the applicant’s parcel for which the permit is sought hereunder has been notified, in writing, of the pending application under this article. Such proof shall be by means of sworn affidavit provided in form to the applicant by the Town Clerk and/or by any other means of notice that the Town Board may otherwise direct by resolution.
- D. Duration of Permits in Specific Zoning Districts:
 - 1. **Subsequent to the issuance of any permit by the Clerk pursuant to this article for any property located in a residential (“R”)-zoned district, no additional permit shall be issued for the same parcel or property, regardless of ownership thereof, prior to 30 (thirty) calendar days having elapsed since the expiration of the prior permit issued for said parcel or property.**
 - 2. **Subsequent to the issuance of any permit by the Clerk pursuant to this article for any property located in a zone designated as other than residential (“R”), including Commercial (“C”)-zoned district and/or Commerce Business Park (“CBP”)- zoned district, no additional permit shall be issued for the same parcel or property, regardless of ownership thereof, prior to five (5) calendar days having elapsed since the expiration of the prior permit issued for said parcel or property.**

- E. No fee shall be charged to or collected from any bureau or department of the United States government, the State of New York, the County of Putnam or the Town of Carmel.
- F. The fee referenced in Subsection A hereunder shall be established annually by the Town of Carmel Town Board and shall be on file in the office of the Town Clerk.

SECTION 3 – HOME RULE

Nothing in this Local Law is intended, or shall be construed (a) to limit the home rule authority of the Town under State Law to limit the Town’s discretion in setting fees and charges in connection with any applications requiring Town approval.

SECTION 4 – SEVERABILITY

If any part or provision of this Local Law or the application thereof to any person or circumstance be adjudged invalid by any court of competent jurisdiction, such judgment shall be confined in its operation to the part or provision or application directly involved in the controversy in which judgment shall have been rendered and shall not affect or impair the validity of the remainder of this Local Law or the application thereof to other persons or circumstances, and the Town Board of the Town of Carmel hereby declares that it would have passed this Local Law or the remainder thereof had such invalid application or invalid provision been apparent.

SECTION 5– EFFECTIVE DATE

This Local Law shall take effect immediately upon filing in the office of the Secretary of State in accordance with Section 27 of the Municipal Home Rule Law.



**TOWN OF CARMEL RECREATION & PARKS
DEPARTMENT**

SYCAMORE PARK, 790 LONG POND ROAD
MAHOPAC, NEW YORK 10541

JAMES R. GILCHRIST, CPRP, DIRECTOR

TELEPHONE: (845) 628-7888 FAX: (845) 628-2820

EMAIL: carmelrecreation@ci.carmel.ny.us

WEB: <http://www.carmelny.org>

DATE: May 26, 2021

TO: Carmel Town Board
Carmel Town Hall

FROM: James R. Gilchrist, CPRP
Director, Recreation and Parks

SUBJECT: Request to Dispose of Equipment

I am requesting the authorization to dispose of the following Recreation and Parks Department vehicle:

Car #42 – 2010 Ford Crown Victoria VIN# 2FABP7BV1AX135521

A copy of the vehicle's Title and Insurance Identification Card are attached. Please add this to the next Town Board Work Session agenda and contact me with any questions.

/nls
Attachment

CERTIFICATE OF TITLE

NEW YORK STATE

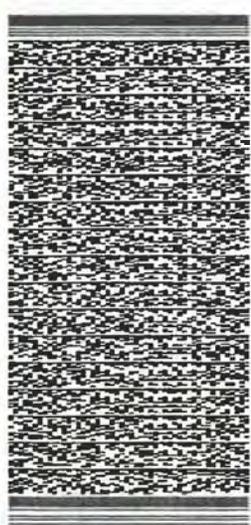
www.nysdmv.com



Title and Identification No. 2FABP7BV1AX135521 2FABP7BV1AX135521			Year 2010	Make FORD	Model Code CVC	Body/Hull 4DSD	Document No. 372035A
Color WH	Wt./Sts./Lgth. 4005	Fuel GAS	Cyl./Prop. 8	New or Used NEW	Type of Title VEHICLE	Date Issued 9/28/10	

Name and Address of Owner(s)
TOWN OF CARMEL
POLICE DEPARTMENT
60 MCALPIN AVE
MAHOPAC NY 10541

ODOMETER READING: 00016
ACTUAL MILEAGE 00016



This document is your proof of ownership for this vehicle, boat or manufactured home. Keep it in a safe place, not with your license or registration or in your vehicle or boat. To dispose of your vehicle, boat or manufactured home, complete the transfer section on the back and give this title to the new owner.

Lienholder _____ Lienholder _____

*** NO LIENS RECORDED ***

*** NO LIENS RECORDED ***

Lienholder _____ Lienholder _____

*** NO LIENS RECORDED ***

*** NO LIENS RECORDED ***

MV-999 (4/08)

DEPARTMENT OF MOTOR VEHICLES

VOID IF ALTERED

VOID IF ALTERED

NEW YORK STATE INSURANCE IDENTIFICATION CARD

23 NY MUNICIPAL INS RECIPROC

Name & Address of Issuer **Brown_Brown of NY, Inc**
625 Route 6
Mahopac, NY 10541

An authorized NEW YORK insurer has issued an Owner's Policy of Liability Insurance complying with Article 6 (Motor Vehicle Financial Security Act) of the NEW YORK Vehicle and Traffic Law to:

TOWN;OF;CARMEL
60 MCALPIN AVE
MAHOPAC NY 10541

Policy Number
MCATCAR001

Effective Date Expiration Date
04/01/2021 **04/01/2022**
12:01 a.m. 12:01 a.m.

(Not acceptable to obtain registration after 45 days from effective date.)
Applicable with respect to the following Motor Vehicle:

2010 **FORD**
Year Make
2FABP7BV1AX135521
Vehicle Identification Number

THIS ID CARD MUST BE CARRIED IN THE INSURED VEHICLE FOR PRODUCTION UPON DEMAND

WARNING: Any person who issues or produces an ID card knowing that an Owner's Policy of insurance is not in effect may be committing a misdemeanor. In addition, a person who presents an ID card if insurance is not in effect may be committing a misdemeanor.

The name of the registrant and the name of the insured must coincide.

REPLACEMENT VEHICLE NOTATION: DMV WILL ONLY PROCESS A VEHICLE CHANGE (RE-REGISTRATION) USING THE REPLACED VEHICLE'S CURRENT REGISTRATION.



FS-20

FAX: Scanable Bar Code



FAX INSTRUCTIONS:

1. The entire page must be faxed.
2. If submitted to DMV, either the entire page or the second ID card and large scanable bar code will be retained
3. A faxed ID card must be replaced with a scanable ID card within 14 days of the effective date.
4. DMV will not accept a faxed ID card without a scanable barcode



TOWN OF CARMEL RECREATION & PARKS DEPARTMENT
SYCAMORE PARK, 790 LONG POND ROAD
MAHOPAC, NEW YORK 10541

JAMES R. GILCHRIST, CPRP, DIRECTOR

TELEPHONE: (845) 628-7888 FAX: (845) 628-2820

EMAIL: carmelrecreation@ci.carmel.ny.us

WEB: <http://www.carmelny.org>

DATE: June 3, 2021

TO: Carmel Town Board
Carmel Town Hall

FROM: James R. Gilchrist, CPRP
Director, Recreation and Parks

SUBJECT: Fire /Security Alarm and Video Surveillance System Proposals - Airport Park

Attached are proposals for the fire, security and video surveillance systems at Airport Park. The funds to cover the cost of these systems are included in the 2021 Budget, line 7110.0022. The proposals are outlined as follows:

Ace Security Systems Inc. proposes to install a Security Alarm System at the installation cost of \$2,950.00 with a Central Station monitoring fee of \$480.00 per year; a Camera Surveillance System at the cost of \$2,800.00, and a Fire Alarm System at \$8,250.00 with a Central Station monitoring fee of \$680.00 per year. **Proposed Total: \$14,000**

Marshall Alarm System, Inc. submitted proposal #200535 for the installation of a Fire and Security System at the installation cost of \$8,900.00 with a Central Station wireless fire and security alarm monitoring service at \$54.95 per month (requires a 3-year monitoring agreement). Proposal #200538 for the installation of a Video Surveillance System at the cost of \$5,200.00. **Proposed Total: \$14,100**

Doyle / CIA Security proposes a "custom designed" combination Burglary/ Fire Alarm System for the purchase price of \$21,084.00, and the proposal for a CCTV Video Surveillance System at a cost of \$5,287.00. CIA Systems is included on The NYS Bid List; OGS # PT68788. **Proposed Total: \$26,371**

Stratagem Security Inc. submitted proposals for each of the following systems: Proposal #358 - Fire Alarm System at \$13,226.51 with a monitoring service at \$79.95 per month (payable annually in advance). Proposal #359 - Security System at \$5,250.16 with monitoring at \$49.95 per month (payable annually in advance). Proposal #361 - Network Video System at \$10,103.73. **Proposed Total: \$28,580**

I have reviewed each proposal for the installation of an alarm system and video surveillance system at Airport Park and recommend we accept those submitted by Ace Security Systems, for the total cost of \$14,000. Ace Security Systems currently provides the fire alarm / security service at Sycamore Park, and their service has been outstanding.

Please add this to the June 9, 2021 Town Board Work Session agenda, and contact me with any questions.

/ns
Attachments

From: aceman88@aol.com,

To: carmelrecreation@ci.ny.us,

Subject: AIRPORT PARK SECURITY SYSTEM :

Date: Thu, May 13, 2021 11:09 am

CARMEL AND RECREATION AND PARKS
INC.
AIRPORT PARK
MAHOPAC N,Y 10541
845-628-7888

MAY 13 2021

ACE SECURITY SYSTEMS

MAHOPAC N,Y 10541
985-621-1170

ALARM SYSTEM :

ONE DSC 1832 MASTER CONTROL PANEL
ONE 12 VOLT 4AMP HOUR BACKUP BATTERY
ONE 16.5 VOLT TRANSFORMER
(2)DSC LCD KEY PADS (1)FRONT ENTRY (1)REAR ENTRY
ONE INTERIOR SIREN
WIRE AND INSTALL CONTACTS ON NINE EXTERIOR DOORS
TWO LOW TEMPERATURE DEDECTORS
(3)MOTION DETECTORS (1)FRONT ENTRY (1)REAR ENTRY (1)FOOD STAND ROOM
(3)AUDIO GLASS BREAK DETECTORS (1)FRONT ENTRY (1)REAR ENTRY (1)FOOD COURT ROOM
ONE STARLINK RADIO TO SEND SIGNALS TO THE CENTRAL STATION MONITORING COMPANY AND
CUSTOMER CAN USE ANY SMART DEVICE TO CONTROL ALARM

TOTAL PRICE **\$2950.00**

A DEPOSIT OF \$1475.00 IS REQUIRED AND A BALANCE OF \$1475.00 IS DUE UPON COMPLETION.

NOTE: THE CENTRAL STATION MONITORING FEE IS \$480.00 PER YEAR AND IS TO BE PAID IN FULL
ONCE A YEAR NOT INCLUDED IN PRICE LISTED ABOVE.

CAMERA SYSTEM :

ONE DAHUA 32 CHANNEL NVR WITH A 6TB HARD DRIVE
INSTALL FOUR OUTDOOR DAY/NIGHT 4MP BALL TYPE CAMERAS ONE ON EACH CORNER OF THE
BUILDING CUSTOMER WILL INSTALL CAT5E OR CAT6 WIRE AND ALSO SUPPLY MONITOR

TOTAL PRICE **\$2800.00**

A DEPOSIT OF \$1400,00 IS REQUIRED AND A BALANCE OF \$1400,00 IS DUE UPON COMPLETION.

THANK YOU

JOSEPH M LACOPARRA
ACE SECURITY SYSTEMS INC.

From: aceman88@aol.com,

To: carmelrecreation@ci.carmel.ny.us,

Subject: FIRE ALARM SYSTEM

Date: Thu, May 13, 2021 12:02 pm

CARMEL RECREATION AND PARKS
INC.
AIRPORT PARK
MAHOPAC N,Y 10541
845-628-7888

MAY 13 2021

ACE SECURITY SYSTEMS

MAHOPAC N,Y 10541
845-621-1170

FIRE ALARM SYSTEM :

ONE SILENT KNIGHT ADDRESSABLE FIRE ALARM CONTOL PANEL
TWO 7AMP HOUR BACKUP BATTERIES
ONE FIRE ALARM KEY PAD LOCATED NEAR FRONT DOORS
ONE STARLINK RADIO TO REPORT SIGNALS TO THE CENTRAL STATION MONITORING COMPANY
WIRE AND INSTALL 14 SMOKE DETECTORS AS PER PLANS
WIRE AND INSTALL 6 HEAT DETECTORS AS PER PLANS
WIRE AND INSTALL 2 CARBON MONOXIXE DETECTORS AS PER PLANS
WIRE AND INSTALL 8 PULL STATIONS AS PER PLANS
WIRE AND INSTALL 5 HORN/STROBES
WIRE AND INSTALL 3 STROBE LIGHTS AS PER PLANS
INSTALL PROPER WIRING AND DUCT DETECTORS HVAC COMPANY WILL BE RESPONSIBLE FOR
INSTALLINDG THEM AND ALSO TO SHUT DOWN HVAC UNITS IN THE EVENT THE FIRE ALARM
SHOULD GO INTO ALARM.

NOTE : THE CENTRAL STATIO MONITORING FEE IS \$680.00 PER YEAR AND IS TO BE PAID IN FULL
ONCE A YEAR THIS INCLUDES A DAILY TEST SIGNAL TO THE CENTRAL STATION
NOT INCLUDED IN PRICE LISTED BELOW.

TOTAL PRICE \$8250.00

A DEPOSIT OF \$4125.00 IS REQUIRED AND A BALANCE OF \$4125.00 IS DUE UPON COMPLETION.

THANK YOU

JOSEPH M LACOPARRA
ACE SECURITY SYSTEMS INC.



Marshall Alarm Systems, Inc.

1767 Front Street ♦ Yorktown Heights, NY 10598

Tel – 914-962-4699 ♦ Fax – 914-962-7227

www.marshallalarm.com email: marshall@marshallalarm.com

ESTABLISHED 1979 License # 12000042586

Proposal # 200538
Date: April, 23 2021
Salesperson: Marshall Marinace
Site Contact James Gilchrist
Phone#:
Email: Carmelrecreation@cicarmel.ny.us

April 23, 2021

James Gilchrist
Town of Carmel Recreation & Park Dept.
Sycamore Park
790 Long Pond Rd
Mahopac, NY 10541

RE: Airport Park

Installation of Video Surveillance System consisting of the following:

- (1) Hikvision IP network video recorder with 32 camera inputs, 6 terabyte hard drive, HDMI monitor output and remote viewing via app.
- (1) Trend Net 28 port P.O.E. switch
- (4) Hikvision exterior turret camera with 4 mega pixel lenses and infra-red illumination for low light level viewing
- (1) CAT6E cable to HDMI converter
- (1) CAT6E cable to USB converter
- (1) APC 900-volt amp battery backup and surge suppressor
-

Installation: \$5,200.00

- All wiring for CCTV system to be provided by Town of Carmel
- HDMI monitor shall be supplied by Town of Carmel

The system is guaranteed for a period of one year.

Capital Improvement is not subject to sales tax

We are pleased to submit the above quotation for your consideration. Should you place an order be assured it will receive our prompt attention. This quotation is valid for one year

ACCEPTANCE

In accepting this Proposal, customer acknowledges and accepts the terms and conditions attached to this Proposal Offered by: MARSHALL ALARM SYSTEMS, INC.

Signature: _____
Marshall Marinace

Customer Signature: _____ Company: _____

Print Name: _____ PO #: _____

Title: _____ Date: _____



Marshall Alarm Systems, Inc.

1767 Front Street ♦ Yorktown Heights, NY 10598

Tel – 914-962-4699 ♦ Fax – 914-962-7227

www.marshallalarm.com email: marshall@marshallalarm.com

ESTABLISHED 1979 License # 12000042586

Proposal # 200535
Date: April, 22 2021
Salesperson: Marshall Marinace
Site Contact James Gilchrist
Phone#:
Email: Carmelrecreation@cicarmel.ny.us

April 22, 2021

James Gilchrist
Town of Carmel Recreation & Park Dept.
Sycamore Park
790 Long Pond Rd
Mahopac, NY 10541

**RE: 161-165 Hill Street
Mahopac, NY 10541**

Installation of Fire and Security System consisting of the following:

- (1) Honeywell 128 FB PT commercial fire and security master control panel with 2 12-volt 10AMP stand-by batteries

Fire Alarm:

- (1) Honeywell 6160 fire keypad
- (14) System sensor photo electric smoke detectors
- (2) System sensor 1224 carbon monoxide detectors
- (8) Honeywell manual pull stations
- (5) Honeywell horn/strobes
- (3) Honeywell strobe lights
- (1) Honeywell addressable relay module for HVAC shutdown
- (2) Honeywell addressable monitor modules for HVAC duct smoke detectors
- (2) Honeywell low temperature adjustable sensors

Security System:

- (2) Honeywell 6160 LCD full display keypads with door chime and panic button
- (1) Honeywell 25-watt interior siren
- (2) Honeywell open area motion detectors
- Protect 9 doors with magnetic contacts
- Protect 1 windows with magnetic contacts
- (1) Honeywell GSM radio transmitter connected to Central Monitoring Station with Total Connect interactive security which will allow you to view remote arm/disarm, event history, opening and closing report and alarm memory from any P.C. or Smart Phone with App.

Installation: \$8,900.00

Central Station wireless fire and security alarm monitoring \$54.95 per month (requires 3-year monitoring agreement)

- Permit fees not included if required
- Final connection to HVAC shutdowns by others
- 120-volt dedicated circuit supplied by others
- Smoke duct detectors provide by others



Marshall Alarm Systems, Inc.

1767 Front Street ♦ Yorktown Heights, NY 10598

Tel – 914-962-4699 ♦ Fax – 914-962-7227

www.marshallalarm.com email: marshall@marshallalarm.com

ESTABLISHED 1979 License # 12000042586

The system is guaranteed for a period of one year.

Capital Improvement is not subject to sales tax

We are pleased to submit the above quotation for your consideration. Should you place an order be assured it will receive our prompt attention. This quotation is valid for one year

ACCEPTANCE

In accepting this Proposal, customer acknowledges and accepts the terms and conditions attached to this Proposal Offered by: MARSHALL ALARM SYSTEMS, INC.

Signature: _____
Marshall Marinace

Customer Signature: _____ Company: _____

Print Name: _____ PO #: _____

Title: _____ Date: _____



Commercial Instruments & Alarm Systems

2 Summit Court, Suite 306. Fishkill, NY 12524



COMMERCIAL SECURITY SYSTEM

PROPOSAL SUBMITTED TO: Town Of Carmel-Parks and Recs	BUSINESS PHONE: (845) 628-1500	DATE: April 6, 2021
MAILING ADDRESS: Town Of Carmel 60 McAlpin Ave. Mahopac NY 10541	JOB NAME/LOCATION: Hillstreet Airport Park 161 Hill Street Mahopac NY 10541	CONSULTANT: Joseph Lombardi
FAX/EMAIL: jrg@ci.carmel.ny.us	ATTN: Jim Gilchrist – (845) 628-7888	OGS# PT68788

Thank you for the opportunity to submit our proposal for the installation of a "custom-designed" security alarm system for Hillstreet Airport Park. The installation includes the following:

SCOPE OF WORK:

To provide a combination Access/Burglary/Fire Alarm system to meet NYS fire codes while providing burglar alarms and Access Control.

ALARM CONTROL PANEL:

Doyle/CIA will furnish and install one (1) DMP XR-150FCN Alarm Control Panel. This advanced, state-of-the-art control panel is equipped with the following features:

- Commercial Rated Fire and Intrusion Detection
- 10 on-board zones, expandable to 142 zones
- Alarm history log with 1,200 event buffer
- On-board network communicator
- Built-in Annunciator
- Direct 110v connection
- U.L listed
- Grounded in conformance with National Electric Code and for added protection against lightning surges.
- Panel will be located in the Electrical Area
- Network and Radio Monitoring Recommended
- Panel to be located: utility room

NOTE:

1. A network connection must be provided by the contractor of end user to allow for system programming. Doyle/CIA makes no representation to the quality of security or monitoring being provided by the third party monitoring providers.

BACK UP BATTERY:

We will furnish and install Four (4) Yuasa 12-volt 7-amp backup battery with fused harness. Two for the Fire Alarm Control Panel and Two for the Fire Alarm Power Supply

FISHKILL • CATSKILL • ALBANY • SYRACUSE • ROCHESTER • BUFFALO • ERIE

LICENSES: NY - 12000084040; CT - 105734

FIRE • INTRUSION • CARBON MONOXIDE • VIDEO SURVEILLANCE • ACCESS CONTROL • SYSTEM AUTOMATION
PERSONAL EMERGENCY RESPONSE SYSTEMS • U.L. LISTED INSTALLATIONS • CENTRAL STATION MONITORING

ADMINISTRATION
845-896-9500

FAX
845-896-8887

EMERGENCY RESPONSE CENTER
845-897-1200

SERVICE DEPARTMENT
845-897-5550

COMMAND CENTERS:

We will furnish and install One (1) command centers to provide arming and disarming of the security alarm system. The command center provides custom English-language display of the zones and alarm descriptions. The command centers will be located as follows:

- Front Main Entry Double Doors

POWER SUPPLY:

We will furnish and install an external power supply to accommodate all of the powered devices.

AUDIBLE SOUNDING DEVICE:

We will furnish and install one (1) electronic siren equipped with English-language broadcast to provide audible indication of the alarm condition. In the event of any alarm condition the voice-activated siren driver will announce in English that the security system has been violated and give appropriate instruction. The interior siren will be located:

- Common Area near utility room

“INTERACTIVE SERVICES” (VIRTUAL KEYPAD APP):

“Interactive Services” provides connectivity, control and notification for your system via a web-enabled device from anywhere in the world. By logging on to a secure website, “Interactive Services” allows you to control your security system via a virtual keypad using any web browser on a PC, PDA or cell phone. You can receive alerts through the Virtual Keypad App/Email or web browser. “Interactive Services” allow you to request system status, arm or disarm the system, or bypass a door or detector.

“INTERACTIVE SERVICES – BASIC”:

“Interactive Services – Basic” lets users send commands via the web browser and Virtual Keypad App, from cell phones and smart devices operating on IOS and Android operating systems, to their alarm system. Messages sent include:

- REMOTE ARM
- REMOTE DISARM
- STATUS REQUEST
- ALARM MEMORY REQUEST

You can also receive alerts through the Virtual Keypad App to have true system status in real-time. Alerts include arming and disarming of the system as well as alarm conditions.

“Interactive Services – Basic” provides for the web browser and Virtual Keypad App.

Interactive Services is included in the new monthly monitoring price but is not a mandatory addition to your security system features. If you desire this feature to be activated please initial below and provide an email address that you would use to subscribe to this service. The email address you provide will be used for account activation, password reset and basic Interactive Services management portal.

Initial here _____ EMAIL _____

NOTIFICATION:

The DMP XR-150FCN Control Panel includes an internet communicator programmed to report alarm signals (identified by individual zones) to Doyle/CIA’s own Monitoring Response Center Listed by Underwriters Laboratories, Inc. Please note that internet monitoring requires a reliable broadband connection.

Monitoring via the internet provides transmission of alarm signals at a much faster speed than standard telephone transmission. To ensure the integrity of the system, daily check-ins to our Monitoring Response Center are also provided. If additional reliability is required, please see radio monitoring option (Option #1).

A radio communicator will be used as back up communication.

When we receive an alarm signal, our Monitoring Response Center’s “seasoned” personnel will dispatch the proper authorities to the exact area of alarm activation and notify personnel on your designated call list. Our Monitoring Response Center’s personnel will then follow-up to verify the outcome of the alarm condition and report back to the client and our service department.

Included is the following:

- *Total reporting zones* – All annunciating and reporting zones will be individually displayed at each command center and will also be reported to our Monitoring Response Center for custom reporting of individual zone.
- *A/C Power Monitoring and Low Battery Supervision* – In the event the electricity at the building is off or the system detects a low battery, a supervisory signal will be transmitted to our Monitoring Response Center.

RADIO MONITORING

Due to the ever increasing unreliability of telephone communications and the advent of VOIP and cable based phone lines; it is possible that communication to our Monitoring Response Center will be hindered. Most service providers utilize the same modem, with a minimal 4 to 8 hour battery backup, for phone and internet communications resulting in single piece of hardware that you must rely on for alarm communication transmissions. Independent redundancy is the only reliable choice for the level of confidence and peace of mind you expect from *Doyle/CIA*. Please consider this radio monitoring option as a method to increase the system survivability and reliability and protect against the communication being compromised by the phone line being cut. **Radio monitoring will be used as secondary communication.**

The AES Radio Network uses the latest in Intelligent Technology and provides immediate transmission of alarm signals to *Doyle/CIA's Monitoring Response Center* without the use of telephone lines. Radio signals are received very rapidly after an alarm, unlike the phone dialer system that may take 30 to 60 seconds to communicate an alarm. In addition, the AES Intelligent Systems reports test signals daily to insure the integrity of the system.

The AES 7788F Series Radio Transceiver is equipped with the following features:

- Built in power supply and 7-amp-hour battery
- Eight input zones
- A/C power supervision and low battery supervision
- Cabinet Tamper
- U.L. Fire Rated Communicator
- Antenna with mounts and antenna brackets

AES INTELLIPRO MODULE:

We will furnish and install one (1) AES IntelliPro Module to the radio transceiver. The module transmits full data formats through the AES radio network to our Monitoring Response Center for processing.

NOTES:

1. FCC requires a license to operate any radio. Under the rental program, we will procure the FCC license.
2. *Subscriber* is to supply one 120 VAC outlet in close vicinity of the radio and cannot be a GFI outlet.
3. Based upon the availability of radio service in the Mahopac area, field testing will be performed prior to entering into a contract.
4. Due to the building construction, a remote antenna may be required. Antenna may be located in the upper floors of the building or exterior of the building.

FIVE DIAMOND CERTIFICATE:

Doyle/CIA has been awarded The Five Diamond Certificate which is the highest certification that can be achieved in the alarm industry. The Five Diamond Certification, awarded by the Central Station Alarm Association, designates a higher level of performance than the industry standard for High Security Monitoring Centers. The industry standard is typically having a UL Listed Monitoring Response Center. The Five Diamond Certificate raises the performance standard to a higher level.

DETECTION DEVICES

**** ALL DEVICE LOCATIONS DEPICTED ON DRAWNGS****

FIRE

SMOKE DETECTORS:

We will furnish and install fourteen (14) smoke detector to provide smoke detection. The smoke detector is not designed according to any code or standard. It is designed to alert the occupant when the system activates and reports off premise.

HEAT DETECTORS:

We will furnish and install four (4) heat detectors to provide fire detection. The detectors will be pre-set to activate at 135° Fahrenheit.

HEAT DETECTORS:

We will furnish and install two (2) heat detectors to provide fire detection. The detectors will be pre-set to activate at 194° Fahrenheit.

CARBON MONOXIDE DETECTORS:

We will furnish and install two (2) carbon monoxide detectors. Detector will be placed to reflect design provided by State Authority which verifies compliance with Section 915.1.1 of NYS Fire Prevention Code. In addition, the devices are being supervised. Each unit is equipped with an internal sounder for annunciation and a transponder for individual unit reporting. The activated detector can also be determined by viewing the command center. Please see note below. These devices have a ten-year life expectancy and will activate the internal trouble sounder when they need to be replaced.

PLEASE NOTE: The following dispatch procedure will be used:

- Fire Department will be dispatched, then
- Location will be called; if no answer –
- Back-ups will be called; it is **HIGHLY** recommended that at least three back-ups be provided that have keys to access the location.

When they arrive at the location, Fire Department personnel are required to enter the premises to determine if medical aid is necessary. If the building is locked and a key holder is not available, they will **FORCIBLY ENTER THE PREMISES**, using whatever means is necessary. Doyle/CIA will not be responsible for damage as a result of the Fire Department's actions, therefore we insist on several back-up names.

EXPANDER:

We will furnish and install two (2) single-point expander to accommodate the CO detectors.

PULL STATIONS:

We will install eight (8) pull-box stations to provide manual activation of the alarm. The pull stations are equipped with key reset.

SOUNDER/STROBES:

We will furnish and install five (5) sounder/strobe lights to provide audible and visual annunciation of an alarm condition.

STROBES:

We will furnish and install three (3) strobe lights to provide visual notification of a fire alarm condition. The strobes will be white of color and marked "Fire".

SYNCHRONIZATION MODULE:

We will furnish and install one (1) synchronization module.

ADDRESSABLE RELAY/CONTROL MODULE:

We will furnish and install one (1) addressable relay module for HVAC shutdown.

DUCT DETECTOR CONNECTION:

The HVAC contractor is responsible for furnishing and installing alarm ready duct detectors. Doyle/CIA Security will furnish all wiring and make connections between the duct detectors and fire alarm system. The HVAC contractor is responsible for make duct detectors alarm ready and shall providing dry contact interface relays for Doyle/CIA Security to connect to. All fan shutdowns shall be done by the HVAC contractor. Doyle/CIA Security will make connections to the HVAC equipment at designated terminal connection points.

PLEASE NOTE:

1. Equipment must be installed before Doyle/CIA Security is scheduled to install devices. If additional trips are required to assist with connection of these devices, billing on a Time and Material basis at \$120.00 per hour, per technician, will be added to the final invoice.

MONITOR:

We will furnish and install two (2) monitor modules to monitor the duct detectors.

LOW-TEMPERATURE SUPERVISION (HARDWIRED TECHNOLOGY):

We will furnish and install two (2) low-temp thermostats that are set to activate at 50° or any temperature above 50° specified by the owner. When the temperature **in the immediate area of the thermostat** drops to the pre-set temperature, a signal is transmitted to the Central Station for dispatching. CIA typically installs the thermostats in the vicinity of the HVAC thermostats so that both thermostats are sampling the same temperature. The service is designed to provide notification when the threshold temperature is reached due to furnace failure. Features of this device include:

- Five selectable temperature ranges to choose from
- Capable of monitoring cold (45° F) temperature

These will be installed as follows:

- Utility Room
- Outside Meeting Room in the common area Near Thermostat

PLEASE NOTE:

- *There is typically a gap of several hours from the time the furnace fails to the time the threshold temperature is reached. During this time freeze-ups may occur.*
- *Even with an adequate number of low-temperature thermostats, there is no guarantee that all areas of the location will be supervised and that freeze-ups will not occur.*

INTRUSION**MAGNETIC SECURITY CONTACT (WIRELESS-TO CUT DOWN ON COST):**

We will furnish and install twelve (12) magnetic contact switches on doors and/or windows to provide perimeter detection. Anyone opening a protected door or window more than one-half inch with the system "armed/on" will activate the alarm.

MOTION DETECTION (WIRELESS-TO CUT DOWN ON COST):

We will furnish and install four (4) dual-technology motion sensors to provide internal space detection. Dual technology assures the best protection for false-alarm prevention, providing a 25-foot protection pattern in a directional line of sight. Anyone walking in front of the detection patterns with the system "armed/on" will activate the alarm.

INVESTMENT DATA

****Pricing guaranteed for 60 days****

PURCHASE PRICE: The above system can be purchased, with a One Year guarantee on parts and labor, for Twenty One Thousand Eighty Four Dollars (\$21,084).

RENTAL FEE: The radio will be rented, which provides for all maintenance repairs for a monthly maintenance fee of Ten Dollars (\$10.00).

BASIC/INTERNET MONITORING FEE: The basic/internet monitoring fee is Twenty-Nine Dollars and Ninety-Five Cents (\$29.95) per month, billed quarterly in advance. Monitoring includes all alarm reporting by zones, supervision of a/c power, battery condition and daily test signal to our U.L. listed Monitoring Response Center.

RADIO MONITORING FEE: Radio Monitoring Fee is Five Dollars (\$5.00) per month billed quarterly, in advance, in addition to your current basic monitoring fee. Monitoring includes all alarm reporting, supervision of a/c power, battery condition and daily test signal to our U.L. listed Monitoring Response Center.

Total Monthly Fee including Basic/Internet Monitoring (\$29.95), Radio Monitoring/Rental (\$15.00) is Forty Four Dollars and Ninety Five Cents (\$44.95).

ANNUAL INSPECTION: Required by New York State

Doyle/CIA will inspect and test all Alarm Devices. At completion of the inspection, Doyle/CIA will provide a written report. Any problems found will be noted, and any repairs required will be addressed under a separate contract. The cost for the inspection coverage will be \$1,800.00 per year, billable quarterly to sync with your monitoring fee.

PLEASE NOTE:

Proposal is designed to be a good faith "notice to proceed". Proposal will become an addendum to the forthcoming Radio Rental/Monitoring Agreement.

DEPOSIT: A 50 percent deposit is due when the contract is accepted, and the balance is due within ten (10) days of completion and sign-off of proposed work.

EMAIL ADDRESS: _____

By providing your email address, you give Doyle/CIA Security the permission to send invoices, system notification alerts as well as other administration notifications. In addition, we will send confirmations and reminders of upcoming service appointments that you make. The safety and security of our clients is our primary concern so please be assured that we WILL NOT under any circumstances share/sell your email address.

ELECTRICAL AND/OR BUILDING PERMIT FEES: Your local municipality may require an electrical and/or building permit(s) be issued and an inspection be requested for this work. **Any fees associated with the electrical and/or building permit(s) and inspections are not included in the proposal and will be billed to the owner at that cost.*

INSURANCE:

Any insurance requirements shall be presented to designer/bidder prior to accepting this proposal. If not, it is presumed that we have satisfied all your insurance requirements.

NOTES:

1. *Subscriber* is to supply one 120 VAC outlet in close vicinity of control panel and cannot be a GFI outlet.
2. Any changes in the scope of work will be done on a separate agreement.
3. Yard signs and window decals will be provided.
4. The system has been designed with point-of-protection reporting. Each device is mapped to a zone to be reported to *Doyle/CIA's Monitoring Response Center*. Our dispatcher then advises law enforcement of the activated device and frequency of the signals.
5. System is expandable as future needs grow.
6. Ethernet port will be required for the internet alarm communicator.
7. **Firewall & Internet Security:** The *owner* shall be responsible for providing a reasonable level of network security and supplying all firewall equipment. Please review this requirement with your *computer consultant*.
8. Guarantee does not cover any network problems, internet outages, smart phone apps or router issues that may occur. Telephone support is available and will be invoiced at \$45.00 per hour (one hour minimum). Please have a *Network Administrator* available if you require telephone support.
9. This Quotes pricing is based on the ability to fully use the sites scissor lift as needed.
10. Drawings will be updated to reflect additional devices.

OPTIONS

Pricing for options is only valid during the installation of the base system. If option(s) is selected, all terms and conditions of the original Sales/Rental Agreement apply.

OPTION #1: SURGE SUPPRESSION FOR ALARM POWER CIRCUIT

We strongly recommend installing a surge suppressor for the 120VAC alarm panel power circuit. The device we recommend is the Triplite Ultra Block. If desired, please add \$49.00 to above purchase.

ACCEPTED _____ (PLEASE INITIAL)

DECLINED DUE TO COST CONSIDERATION _____ (PLEASE INITIAL)

OPTION #2: SURGE SUPPRESSION FOR TELEPHONE LINE

We will furnish and install a Surge Suppressor on the telephone line. If desired, please add \$32.00 to above purchase price.

ACCEPTED _____ (PLEASE INITIAL)

DECLINED DUE TO COST CONSIDERATION _____ (PLEASE INITIAL)

OPTION #3: NETWORK SURGE SUPPRESSION

We will furnish and install a COM-CLESP network surge protector for the incoming network circuit. If desired, please add \$40.00 to above purchase price.

ACCEPTED _____ (PLEASE INITIAL)

DECLINED DUE TO COST CONSIDERATION _____ (PLEASE INITIAL)

We has included options for surge suppression for vital areas of your system. *Doyle/CIA* does not guarantee that your system will be free from harm due to lightning strikes or other surges.

OPTION #4: SERVICE CONTRACT INFORMATION

We recommend that you protect your investment with our extended warranty/service contract plan. Under our service agreement, *Doyle/CIA* will provide continued coverage for all system components, including labor and materials. Your service agreement also covers one annual inspection at no charge. Your agreement will continue to renew after the initial term of the agreement for successive periods of 30 days. Fee for service contract is Two Hundred and Fifty Dollars (\$250.00) per month.

Note: if you select this option your initial installation price will be discounted by 20%

ACCEPTED _____ (PLEASE INITIAL)

DECLINED DUE TO COST CONSIDERATION _____ (PLEASE INITIAL)

OPTION#5 ACCESS CONTROL

ACCESS TOKENS:

We will furnish one (1) package of 100 proximity tokens. When the tokens are passed within one inch of the proximity reader and if the token holder is an authorized user during an authorized time, the door will unlock. End-user is responsible for all user and token programming.

Note: if more than 100 proximity tokens are needed, they will be addressed under a separate agreement.

ACCESS CONTROL MODULES:

We will furnish and install One (1) existing Weigand Modules to support advanced features and compatibility purposes.

DOOR POSITION SWITCHES:

We will furnish and install One (1) door position switches on the proposed doors to alert security personnel that the door has remained open longer than its programmed time or the door has been forced open.

MAGNETIC DOOR LOCK:

We will connect to your existing magnetic door locks.

Please Note: if we cannot connect to the existing magnetic lock we will address this topic under a separate agreement.

PROX READER WITH KEYPAD:

We will furnish and install One (1) HID Contactless Smart Card Reader with integrated keypad. An authorized cardholder must pass the card within 3" of the card reader sensor or, optionally, enter a valid pin number to grant access to a door. The reader will then communicate with the control panel; and software will validate the cardholder authority, thereby granting or denying access based on the preprogrammed authority levels for the individual. Electric door strike will interface with the system to provide the necessary locking and release. The reader with keypad and electric lock will be located as follows:

- Front Main Entry Double Door

"INTERACTIVE SERVICES" – ACCESS CONTROL MANAGEMENT:

The system will be managed by user over the Connect One Application or Web Browser. The Connect One Application "Interactive Services" provides connectivity, control and notification for your system via a web-enabled device from anywhere in the world. By logging on to a secure website or downloading the Connect One Application, "Interactive Services" allow you to manage your access control system.

“INTERACTIVE SERVICES – ACCESS CONTROL”:

“Interactive Services – Access Control” lets users manage their system via the Connect One Application and web browser. Devices operating on IOS or Android are compatible. Operations include:

- USER MANAGEMENT
- DOOR STATUS (OPEN OR CLOSED)
- ENTRY/EXIT REPORTS FOR UPTO ONE YEAR
- NO SOFTWARE INVESTMENT NECESSARY

ADMINISTRATOR EMAIL _____

ACCESS CONTROL MANAGEMENT FEE: The monthly fee for access control management via basic “Virtual Keypad” services is Twenty Dollars (\$20.00) per month billed quarterly in advance.

If desired, please add \$2000.00 to above purchase price and \$20.00 per month to the monthly cost.

ACCEPTED _____ (PLEASE INITIAL)

DECLINED DUE TO COST CONSIDERATION _____ (PLEASE INITIAL)

OPTION #6: ACCESS CONTROL FOR MENS AND WOMANS RESTROOM EXTERIOR DOORS

We will furnish and install access control on each of the bathrooms exterior doors. There will be two access control configurations in order to accomplish this task.

ACCESS CONTROL MODULES:

We will furnish and install two (2) Weigand Modules to support advanced features and compatibility purposes.

DOOR POSITION SWITCHES:

We will furnish and install two (2) door position switches on the proposed doors to alert security personnel that the door has remained open longer than its programmed time or the door has been forced open.

MAGNETIC DOOR LOCK:

We will furnish and install two (2) 1200lb hold magnetic door locks.

PROX READER WITH KEYPAD AND ELECTRIC STRIKE:

We will furnish and install two (2) HID Contactless Smart Card Reader with integrated keypad. An authorized cardholder must pass the card within 3” of the card reader sensor or, optionally, enter a valid pin number to grant access to a door. The reader will then communicate with the control panel; and software will validate the cardholder authority, thereby granting or denying access based on the preprogrammed authority levels for the individual. Electric Magnetic Lock will interface with the system to provide the necessary locking and release.

If desired, please add \$2,500.00 to above purchase price.

ACCEPTED _____ (PLEASE INITIAL)

DECLINED DUE TO COST CONSIDERATION _____ (PLEASE INITIAL)

ACCEPTED BY:

AUTHORIZED SIGNATURE

PLEASE TYPE OR PRINT NAME

This proposal is subject to Subscriber signing a standard Sales agreement prior to commencing work. Any purchase orders issued are agreeing to the terms and conditions of this proposal.

Doyle Security Systems– SUBSCRIBER DATA SHEET

FAX: 845-896-8887

LOCATION & OCCUPANT'S NAME OF WHERE ALARM IS INSTALLED:

OCCUPANT'S NAME: _____
 STREET: _____
 CITY: _____
 STATE: _____ ZIP: _____

PREMISE PHONE #1: _____

PREMISE PHONE #2: _____
 (IF APPLICABLE)

PASSWORD: _____

PLEASE SELECT A WORD EASILY REMEMBERED, AS IT WILL BE USED TO IDENTIFY YOU AS AN AUTHORIZED USER.

DIRECTIONS TO LOCATION: (MILEAGE FROM NEAREST CROSS STREET) _____

BILLING ADDRESS: (IF DIFFERENT FROM ALARM LOCATION)

NAME: _____
 STREET: _____
 CITY: _____
 STATE: _____ ZIP: _____
 BILLING PHONE NUMBER: _____

ACCT# (CO USE ONLY): _____ - _____
 SERVICE ACCOUNT #: _____

Email Address: _____

By providing your email address, you give DSS Security the permission to send invoices, system notification alerts as well as other administration notifications. In addition, we will send confirmations and reminders of upcoming service appointments that you make. The safety and security of our clients is our primary concern so please be assured that we WILL NOT under any circumstances share/sell your email address.

CALL LIST

1. PRIMARY RESPONDER DISCLOSURE: Subscriber understands that a (1) 911 center, (2) public safety answering point, or (3) communications center, (Collectively referred to herein as "PUBLIC RESPONDERS"), may be designated as the primary responder. Subscriber assumes all liability should one of these three not be selected as the Primary responder.

2. Upon DOYLE SECURITY SYSTEMS, INC. (hereinafter referred to as "DSS" or "ALARM COMPANY") receiving an emergency alarm from the Subscriber's system, Subscriber hereby directs DSS to contact these responders in this specific order:

Subscriber may select any individual he or she designates, or any PUBLIC RESPONDER in the Jurisdiction from which alarm is received.

FIRE DEPT: _____ POLICE DEPT _____

Security Response Team or designated responders (if applicable) _____

Telephone _____

OIL OR GAS COMPANY: _____ Y OR N
 (IF APPLICABLE)

PLEASE WRITE DOWN THE NAMES AND TELEPHONE NUMBERS OF PEOPLE TO BE NOTIFIED IN THE EVENT OF AN ALARM. PLACE THEM IN ORDER IN WHICH YOU WISH THEM TO BE NOTIFIED. (INDICATE WORK NUMBERS OR SPECIAL HOURS AND IF THEY HAVE ACCESS WITH A KEY.)

<u>NAME</u> <u>Authorize</u>	<u>TELEPHONE</u>	<u>TYPE</u>	<u>Email Address</u>	<u>KEY</u>	<u>Service</u>
1. _____	_____	Home/Work/Cell	_____	Y OR N	Y OR N
2. _____	_____	Home/Work/Cell	_____	Y OR N	Y OR N
3. _____	_____	Home/Work/Cell	_____	Y OR N	Y OR N
4. _____	_____	Home/Work/Cell	_____	Y OR N	Y OR N

3. Upon DSS receiving an emergency alarm from the Subscriber, Subscriber (please make a selection) DOES DOES NOT direct DSS to attempt to contact Subscriber first before contacting any PUBLIC RESPONDER.

4. Subscriber agrees that should any PUBLIC RESPONDER not be designated as the primary responder, then the Subscriber's PUBLIC RESPONDERS shall become the default secondary responder after the personal emergency response provider has attempted, without success, to notify all other responders designated by Subscriber.

5. Should DSS receive a customer's alarm and is not able to solicit a verbal response from the Subscriber, Subscriber (please make a selection)
 DOES DOES NOT wish to have a PUBLIC RESPONDER contacted before DSS contacts the customer's responders as specifically designated above.

6. DSS hereby agrees to provide PUBLIC RESPONDERS, if designated as a responder by the Subscriber, the name of the customer, the location from which the customer's alarm was received, and any other information as may be requested.

7. Following any notification to the PUBLIC RESPONDER, DSS shall attempt to notify the rest of the Subscriber's responders list in the order provided by Subscriber. Unless otherwise provided in the list DSS will make a reasonable effort to contact the first person reached or notified on the list either via telephone call, text or email message. No more than one call to the list shall be required and any form of notification provided for herein, including leaving a message on an answering machine, shall be deemed reasonable compliance with DSS's notification obligation. Subscriber may provide DSS with a set of directives for voice to voice contact with the responders. For nonpublic responder numbers Subscriber represents that all call numbers are accurate and Subscriber has been authorized by the owners of such numbers to provide such numbers to be called in accordance with Subscriber's alarm services.

IF YOUR SYSTEM HAS LOW TEMPERATURE MONITORING, WHOM DO WE NOTIFY?
(YOUR SYSTEM MAY NOT BE EQUIPPED FOR THIS; IF INTERESTED PLEASE SPEAK WITH YOUR SALES CONSULTANT)

- LOCATION/BACKUPS 24 HOURS PER DAY
- LOCATION/BACKUP BETWEEN ____ AM AND ____ PM ONLY
- OIL/GAS COMPANY – WHAT HOURS: _____ OTHER _____

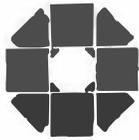
IF YOU HAVE A RADIO SYSTEM AND WE RECEIVE A FAIL TO CHECK-IN OR LOSS OF SIGNAL TRANSMISSION, WHOM DO WE NOTIFY?
(YOUR SYSTEM MAY NOT BE EQUIPPED FOR THIS; IF INTERESTED PLEASE SPEAK WITH YOUR SALES CONSULTANT)

- LOCATION/BACKUPS 24 HOURS PER DAY IMMEDIATELY
- LOCATION/BACKUPS 24 HOURS PER DAY ONLY IF NOT RESTORED WITHIN 1 HOUR.
- LOCATION /BACKUP BETWEEN ____ AM AND ____ PM IMMEDIATELY.
- OIL/GAS COMPANY – WHAT HOURS: _____ OTHER _____

IF YOU HAVE INTERNET MONITORING AND WE FAIL TO RECEIVE A CHECK-IN, WHOM DO WE NOTIFY?
(YOUR SYSTEM MAY NOT BE EQUIPPED FOR THIS; IF INTERESTED PLEASE SPEAK WITH YOUR SALES CONSULTANT)

- LOCATION/BACKUPS 24 HOURS PER DAY IMMEDIATELY
- LOCATION/BACKUPS 24 HOURS PER DAY ONLY IF NOT RESTORED WITHIN 1 HOUR.
- LOCATION /BACKUP BETWEEN ____ AM AND ____ PM IMMEDIATELY.

SUBSCRIBER SIGNATURE: _____ **DATE:** _____



DOYLE

Protecting what's important to you.™

March 22, 2021

Mr. James Gilchrist
Town of Carmel Airport Park
161-165 Hill Street
Mahopac, NY 10541

Dear Mr. Gilchrist:

On behalf of **Doyle Security**, we are pleased to present the following comprehensive security proposal for your location. Every effort has been made to ensure that this proposal is complete with an equipment list and scope of work. The equipment proposed in this document is both modular and expandable so as to meet your current and future needs. If there are any oversights in this document, please do not hesitate to bring them to our attention.

Please visit our website for information regarding our company and the many resources that are available for your use. You can find us on the web at www.GoDoyle.com.

Doyle Security prides itself in delivering the best customer service experience known to our industry. Several years ago, we adopted a program that employees named **Promise & Deliver!** The program was developed to empower all of our employees to deliver customer service at a level that would not only meet but exceed your expectations.

We encourage you to provide feedback to us at any time. If your experience is a good one we certainly want to hear about that, but maybe even more important is the lessons we can learn if we have failed to meet your expectations. To contact us you can send an email to PromiseandDeliver@GoDoyle.com. You will also find several other means of contact on our website.



COMPANY HISTORY AND QUALIFICATIONS

John A. Doyle established the Doyle Group, Inc. on March 17, 1919 in Rochester, New York. **Doyle Security** is still owned by the Doyle Family and now has operations in Buffalo, Syracuse, Pennsylvania, as well as Rochester.

Doyle Security is a leading provider of integrated security management products and services. Whether it's *Intrusion or Fire Alarm Systems, Access Control Systems, Closed Circuit TV Systems, Safes & Vaults, Locksmithing & Door Hardware, Maintenance & Inspections or our U.L. Central Station*, we take pride in our design, engineering, installation and service expertise. As certified members of SNA (Security Network of America), an alliance of the 30 largest independent security integrators in the country, we have access to the best products, greatest technical resources and training in the country

Doyle Security Systems, 'Best in Class'



BBB Torch Awards
Trust • Performance • Integrity

Highest recognition given to area businesses by the organization and honors them for their ability to demonstrate the highest standards of customer service, community involvement, adherence to truthful and honorable business practices and outstanding

RECIPIENT
ROCHESTER
BUSINESS
ETHICS
AWARD

The Rochester Business Ethics Award (RBEA) is a regional annual award program that recognizes local companies that exemplify high standards of ethical behavior in their everyday business practices and in response to crises or challenges.



This award is bestowed upon one deserving security dealer company each year. To be considered as a Dealer of the Year candidate, your company must derive more than 50 percent of its revenue from the sale, lease, installation, service or monitoring of electronic security residential and/or commercial markets.

THE DOYLE ADVANTAGE

- Service** At **Doyle Security** providing excellent customer service is our top priority. With offices in Fishkill, Catskill, Albany, Syracuse, Rochester, Buffalo and Erie PA, we have the ability to quickly respond to any customer need throughout virtually all of the Mid-Hudson Valley, Central, Western New York and Northwest Pennsylvania.
- People** Service excellence begins with having quality people at all levels. At **Doyle Security** we feel we have the very best talent the industry has to offer in our installation and service departments as well as our sales and administration. Our service/installation technicians have an average of over 12 years' experience in the alarm industry and are constantly receiving training on new products and installation techniques.
- Products** As an independent company, we are not bound to any single manufacturer and thus are free to choose from the best products in the business. This yields several advantages to you as a customer. We can tailor the best product at the most reasonable price to fit your exact need, furthermore, none of our products are proprietary. At **Doyle Security**, we pledge to provide you with outstanding customer service at a reasonable price. If we ever fail to live up to that commitment, you are free to ask any one of dozens of other companies in the area to take over the service. Virtually anybody in the security business can take over the monitoring and service the alarm equipment that we sell. For, national companies that use proprietary equipment, this is not the case. They are the only ones that can work on their equipment and changing vendors means having to change the entire security system, hardware, procedures, training, etc.
- Price** We recognize that the key to any long-lasting relationship is to have mutually beneficial understandings. We understand that the customer is looking for the highest quality service for the best price. We pledge to you that we will always charge a fair price in return for quality workmanship that is second to none.

U.L. LISTED EMERGENCY RESPONSE CENTER

At **Doyle Security** we take pride in the fact that we have owned and operated our own U.L. Listed Emergency Response Center for over 32 years. Due to the expense of operating a U.L. Emergency Response Center, many alarm companies utilize only an answering service that does not meet U.L. standards. U.L. has many requirements that other monitoring stations do not follow such as:

- Mandating the number of operators per shift
- Uninterrupted power supplies
- Backup disaster facility
- Yearly U.L. inspections

In choosing **Doyle Security** for your security needs you can be sure that our Emergency Response Center meets the most rigorous standards of U.L. and is consistently searching for and investing in emerging technology.

TEAM OF PROFESSIONALS

We feel **Doyle Security** consists of the very best talent the industry has to offer, and is more than capable of providing our customers with quality craftsmanship, and the impeccable follow up service that you require. We are fully dedicated to complete customer satisfaction and have the resources to follow through on that commitment.

Doyle Security reviews the content and scope of work on major system installations. We make every attempt to match the proposed scope of work with the best-trained technicians for the project. In order for each project to flow smoothly, **Doyle Security** has identified the following team of professionals to handle your comprehensive security needs. Should you have any questions concerning the installation and service of your account, please contact any one of the following individuals at the phone numbers listed below:

President & CEO: John G. Doyle, Jr.	(585) 461-6500
Chief Operating Officer: Kevin J. Stone, CPP	(585) 242-1670
General Manager: Bryan Marquardt	(845) 231-1451
Operations Manager: Armin Braun	(888) 242-2527, ext. 4070

Scope of Work

Doyle Security Systems will furnish and install four network IP Cameras that are high definition at 4 Megapixel. These cameras will have night vision with Infrared technology. The head end recorder will interface with all of the other parks that have been completed by Doyle Security Systems. The head end will support several upgrades to include up to 32 cameras dependent upon resolution. The unit will have an uninterruptable power supply to protect it from interruptions in the municipal power supply. Doyle Security Supply will also provide the parts to extend the monitor and mouse to the administrator's office. The wire for the cameras and the extended monitor and mouse will be supplied and installed by others. Town of Carmel is to supply a monitor of their choice to meet the needs of the end user where it will be located. Any HDMI current 720p or 1080p monitor (Television) will integrate with the network video recorder. These parts are not yet on New York State Contract however, they match all of your other parks to keep the quality and continuity as well as the potential integration with our response center for any future security needs.

Surface Mount Wire

This proposal includes the use of surface mounted wire. In many homes and business there are no open walls, basements or attics to hide and/or conceal wiring in. If your building does not have simple and easy access to these areas to install wires then our technicians will mount wires on the surface of walls and ceilings. If your installation requires that advanced installation work be performed to hide wires inside of walls and/or to install all wiring in raceway or hard to access areas an additional fee will apply. Additional fees to hide wires average \$500.00 per camera to use advanced installation techniques to hide or conceal wire that you prefer we do not surface mount.

CCTV System Installation

- 1 32 Channel 320M 4K 1.5U 16 PoE 4HDD NVR
- 1 6 Terabytes hard disk drive
- 4 MP HD Network True WDR EXIR Turret Cameras
- 1 Extension HDMI up to 175 ft. over Cat6 Cable
- 1 USB over Cat 6 to 150 ft. Active Extender
- 4 Junctions Boxes – Turret Dome
- 1 APC Back UPS 900VA Battery Backup

Two purchase options

PURCHASE OPTION 1

****Pricing guaranteed for 60 days****

PURCHASE PRICE: The above equipment can be purchased, with a 90-day guarantee on parts and labor, for \$5,287.00 plus any applicable sales tax and permit fee(s).

PURCHASE OPTION 2

DOYLE SECURITY SYSTEMS CCTV QUALITY ASSURANCE PROGRAM

Doyle Security Systems offers a CCTV Quality Assurance Program. Under this program, we will provide the following services:

- **Lifetime Repair** of all parts provided by Doyle Security Systems that falls under normal wear and tear at no charge for parts or labor for as long as this agreement is in effect.
- **Lifetime Replacement** of any failed component with similar or better component that falls under normal wear and tear at no charge for parts or labor for as long as this agreement is in effect.
- **Lifetime Training** on site if requested at no charge for any individual that requires the assistance
- **Lifetime Technical Assistance** on site if requested at no charge to assist in retrieving video or updating firmware.
- **Annual Preventative Maintenance and System Test inspection** at no charge to include cleaning of camera lens and equipment cabinet once per year, available at customers request and recommended in dusty areas like a horse barn to maintain image quality.

PURCHASE PRICE: The cost for Doyle Security Systems CCTV Quality Assurance Program will be \$53.00 per month and the initial purchase price will be \$4,227.00 plus any applicable sales tax. The Quality Assurance Program will remain in effect for 60 months but can be renewed at that time to continue the coverage on a monthly basis. This option is only available at time of purchase.

DEPOSIT: With either purchase option a 50 percent deposit is due when the contract is accepted, and the balance is due within ten (10) days of completion and sign-off of proposed work.

ELECTRICAL AND/OR BUILDING PERMIT FEES: Your local municipality may require an electrical and/or building permit(s) be issued and an inspection be requested for this work. Any fees associated with the electrical and/or building permit(s) and inspections are not included in the proposal and will be billed to the owner at that cost

ADDITIONAL SERVICES

Don't let your Camera system be off-line...

OPTION #1: VIDEO HEALTH MONITORING: This highly recommended Health Monitoring Service checks your DVR/NVR every hour to confirm the functionality of all cameras, storage HDD, and the network interface. It will send you an email notification when an irregularity is noticed. Receipt of an email notification does not automatically generate a service call. This service virtually eliminates the prospect of an event occurring and the system being non-functional. This service can be provided for a fee of **\$15.00** per month.

NOTES:

1. This service requires a reliable internet connection.
2. Doyle Security Systems will not receive Emails. Email notifications are only sent to the customer.
3. Client is responsible for contacting Doyle Security Systems for service.
4. Automated email notifications will be sent to the client.

PLEASE NOTE:

The above proposal/pricing remains in effect for the next thirty days.



Proposal #: 358

10/5/2020

Licensed by the N.Y.S. Department of State # 12000040711

Proposal #	Customer #	Proposal Date
358	1606	06/01/2021

Customer:
Town of Carmel Recreation & Parks Department
Sycamore Park, 790 Long pond Road
Mahopac, NY 10541

Site Location:
Town of Carmel Recreation & Parks Department
Sycamore Park, 790 Long pond Road
Mahopac, NY 10541

Contact Information:

Customer Contact: James Gilchrist
Cell Phone: (845) 519-0770
System Type: Fire Alarm

Stratagem Contact: Morales, Basil
Phone: (845) 656-2289
Email: basil@nycctv.us

Stratagem Security is pleased to present you with the following proposal for your location. Based on your input and our evaluation of your needs, we have prepared a scope of work which details the equipment recommended for your facility.

The solution proposed represents Stratagem Security's most versatile, flexible and reliable system solution. The proposed system comes recommended to you only after extensive analysis of your business and security needs and requirements. As such, we believe the proposed solution offers the most cost-effective method of satisfying your initial requirements while supplying a strong base which can be expanded to accommodate future needs.

We will remain at your service to provide any clarification, definition, or further description of any portions of this proposal as you may require. We are confident you will be pleased with the pricing options available to you.

Brief Description:

Fire Alarm System

Scope of Work



Stratagem will provide the following:

The Fire Alarm System will not have an app since the system cannot be remotely silenced or reset as per fire code. Cabling and back boxes to be installed by customer.

Fire Alarm System Replacement

- 1 - Silent Knight Addressable Fire Alarm Control Panel
- 2 - 12vdc – 7Ah Back-Up Batteries
- 1 - Sole Path Cellular Communicator
- 1 - Remote Annunciator
- 1 - Access Release Power Supply – For Mag Lock
- 14 - Addressable Smoke Detectors
- 2 - Addressable Heat
- 16 - Smoke / Heat Bases
- 8 - Addressable Pull stations
- 2 - Mini Input Modules for Duct Detectors – HVAC Company to Provide and Install Duct Detectors
- 2 - Mini Input Modules for Monitoring Cellular Communicator
- 2 - Carbon Monoxide Detectors
- 1 - Outdoor Horn/Strobes
- 5 - Horn/Strobes
- 3 - Strobes
- Provide Full Test and Inspection with Report

Monitoring - \$79.95/Month payable annually in advance

Notes:

- * As per customer, no permits, engineered plans or submittals to town required. If Needed additional charges will apply.
- *Price includes all required parts, labor at current prevailing wage, and programming to complete installation.
- *Patching and painting to be provided by others.
- *Devices that will connect to system will need to be on site at the time of installation.

Quantity	Item Part Code	Description	Rate	Amount
32.00	PW-R3 PW Electrician	Electrician/Electrical Installer Onsite Region 3 Entire County: Westchester	\$159.52	\$5,104.64
2.00	PW-RA Project/Pgm Manager	Project/Program Manager - All Regions	\$224.47	\$448.94
1.00	PW-RA Designer	Designer - All Regions	\$199.49	\$199.49
1.00	6700	Addressable Fire Alarm Control panel	\$1,147.98	\$1,147.98
2.00	NP712	12VOLT 7AMP Battery	\$28.54	\$57.08
1.00	TG7LVF02	Telguard LTE Fire Communicator - Verizon	\$579.98	\$579.98
1.00	AL600ULACM	Fire Alarm Power Supply with Access Control Release for Mag Lock	\$423.80	\$423.80
1.00	005860R	Remote Annunciator	\$611.98	\$611.98
14.00	SD505-PHOTO	Addressable Smoke	\$90.80	\$1,271.20
2.00	SD505-HEAT	Addressable Heat	\$372.12	\$744.24
16.00	SD505-6AB	Addressable base for Smoke and Heat	\$14.98	\$239.68



Proposal #: 358

10/5/2020

Licensed by the N.Y.S. Department of State # 12000040711

8.00	SD500-PS	Addressable Pull Station	\$86.00	\$688.00
2.00	CO1224T	Carbon Monoxide Detector	\$123.98	\$247.96
1.00	P2RK	Outdoor Horn/Strobe	\$111.98	\$111.98
5.00	P2RL	Horn/Strobe	\$83.98	\$419.90
3.00	SRL	Strobe	\$61.98	\$185.94
4.00	SD500-MIM	Mini Input Module	\$98.94	\$395.76
2.00	WG-45075504	18/4 Plenum Fire Cable	\$173.98	\$347.96

Total Charges : \$13,226.51

Sales Tax : \$0.00

Grand Total : \$13,226.51

Deposit Required to schedule work \$0.00

X

10/5/2020

Agreed To By

Print Name

Date

Recurring Services - Not Included In Above Pricing

Description	Monthly Amount	Amount
TelGuard Cellular - Monitoring	79.95	959.40



Proposal #: 359

10/5/2020

Licensed by the N.Y.S. Department of State # 12000040711

Proposal #	Customer #	Proposal Date
359	1606	06/01/2021

Customer:
Town of Carmel Recreation & Parks Department
Sycamore Park, 790 Long pond Road
Mahopac, NY 10541

Site Location:
Town of Carmel Recreation & Parks Department
Sycamore Park, 790 Long pond Road
Mahopac, NY 10541

Contact Information:

Customer Contact: James Gilchrist
Cell Phone: (845) 519-0770
System Type: Security System

Stratagem Contact: Morales, Basil
Phone: (845) 656-2289
Email: basil@nycctv.us

Stratagem Security is pleased to present you with the following proposal for your location. Based on your input and our evaluation of your needs, we have prepared a scope of work which details the equipment recommended for your facility.

The solution proposed represents Stratagem Security's most versatile, flexible and reliable system solution. The proposed system comes recommended to you only after extensive analysis of your business and security needs and requirements. As such, we believe the proposed solution offers the most cost-effective method of satisfying your initial requirements while supplying a strong base which can be expanded to accommodate future needs.

We will remain at your service to provide any clarification, definition, or further description of any portions of this proposal as you may require. We are confident you will be pleased with the pricing options available to you.

Brief Description:

Security System

Scope of Work



Proposal #: 359
10/5/2020

Licensed by the N.Y.S. Department of State # 1200040711

Stratagem will provide the following:

The Security System will be on the Alarm.com platform. The App can be used to remotely add users to both systems simultaneously from a cellular device or web browser. The system can also tie into lighting, heating, and wireless interior door locks via ZWave. Notifications and alerts can also be set up for monitoring the property and see who's arming and disarming the system.

Security:

- 1 - DSC Alarm Control Panel with ZWave and Cellular Communicator, Transformer, Battery, Lock and Keys - 110VAC Power outlet to be provided by electrician.
- 1 - LCD Keypad
- 12 - Wireless Contacts – Exterior Doors (10 Armored Contacts for Doors)
- 4 - Wireless Motion Detectors
- 2 - Low Temp Sensors

Monitoring - \$49.95/Month payable annually in advance

*Price includes all required parts, labor at current prevailing wage, and programming to complete installation.

*Patching and painting to be provided by others.

*Devices that will connect to system will need to be on site at the time of installation.

Quantity	Item Part Code	Description	Rate	Amount
16.00	PW-R3 PW Electrician	Electrician/Electrical Installer Onsite Region 3 Entire County: Westchester	\$159.52	\$2,552.32
1.00	PW-RA Project/Pgm Manager	Project/Program Manager - All Regions	\$224.47	\$224.47
1.00	PW-RA Designer	Designer - All Regions	\$199.49	\$199.49
1.00	HS2064NKCP01	DSC Neo Control Panel	\$98.30	\$98.30
1.00	DSC-L1	Lock and Keys	\$3.94	\$3.94
1.00	NP7-12	7AMP 12 VDC Battery	\$29.98	\$29.98
1.00	MGT1640P	16.5 VOLT 40MA Transformer	\$21.98	\$21.98
1.00	TL880LTVZ N	Cellular Communicator with Alar.com	\$382.52	\$382.52
1.00	HS2LCDRF9ENG N	LCD Keypad	\$234.80	\$234.80
4.00	PG9914	Wireless Motion Detector	\$104.28	\$417.12
12.00	PG9945	Wireless Door / Window Contact With Auxiliary Input	\$51.98	\$623.76
10.00	4532	Armored Door Contact	\$29.98	\$299.80
2.00	PG9905	Low Temp Sensor	\$80.84	\$161.68

Total Charges : \$5,250.16

Sales Tax : \$0.00

Grand Total : \$5,250.16

Deposit Required to schedule work \$0.00



Proposal #: 359

10/5/2020

Licensed by the N.Y.S. Department of State # 12000040711

X

10/5/2020

Agreed To By

Print Name

Date

Recurring Services - Not Included In Above Pricing

Description	Monthly Amount	Amount
Interactive Services - Monitoring	49.95	599.40



Proposal #: 361
10/5/2020

Licensed by the N.Y.S. Department of State # 1200040711

Proposal #	Customer #	Proposal Date
361	1606	06/01/2021

Customer:
Town of Carmel Recreation & Parks Department
Sycamore Park, 790 Long pond Road
Mahopac, NY 10541

Site Location:
Town of Carmel Recreation & Parks Department
Sycamore Park, 790 Long pond Road
Mahopac, NY 10541

Contact Information:

Customer Contact: James Gilchrist
Cell Phone: (845) 519-0770
System Type: Network Video

Stratagem Contact: Morales, Basil
Phone: (845) 656-2289
Email: basil@nycctv.us

Stratagem Security is pleased to present you with the following proposal for your location. Based on your input and our evaluation of your needs, we have prepared a scope of work which details the equipment recommended for your facility.

The solution proposed represents Stratagem Security's most versatile, flexible and reliable system solution. The proposed system comes recommended to you only after extensive analysis of your business and security needs and requirements. As such, we believe the proposed solution offers the most cost-effective method of satisfying your initial requirements while supplying a strong base which can be expanded to accommodate future needs.

We will remain at your service to provide any clarification, definition, or further description of any portions of this proposal as you may require. We are confident you will be pleased with the pricing options available to you.

Brief Description:

Network Video System

Scope of Work



Proposal #: 361
10/5/2020

Licensed by the N.Y.S. Department of State # 12000040711

Stratagem will provide the following:

The Video System will be on the Exacq platform. This is the same system in use at the school district. The App can be used to remotely view and playback recordings from a cellular device or web browser. There is no need to install a separate monitor since the system can be accessed by any authorized user on their desktop pc or cellular device.

Cabling already installed by customer.

Network Video System Components:

- One Exacqvision Server 6TB Storage
- 4 - 3Mp Cameras
- One 900VA UPS
- Backboxes and Hardware

Notes:

*Price includes all required parts, labor at current prevailing wage, and programming to complete installation.

*Patching and painting to be provided by others.

*Devices that will connect to system will need to be on site at the time of installation.

Quantity	Item Part Code	Description	Rate	Amount
16.00	PW-R3 PW Electrician	Electrician/Electrical Installer Onsite Region 3 Entire County: Westchester	\$159.52	\$2,552.32
2.00	PW-RA Project/Pgm Manager	Project/Program Manager - All Regions	\$224.47	\$448.94
1.00	PW-RA Designer	Designer - All Regions	\$199.49	\$199.49
1.00	1-MISCELLANEOUS	Back Boxes, Fittings and Hardware	\$165.00	\$165.00
1.00	IP04-O6T-DT	6TB Network Video Server with 4 Licenses - Up to 64 Ch	\$4,941.98	\$4,941.98
4.00	IFS03CFOCWST	3MP Mini Dome Camera	\$392.00	\$1,568.00
1.00	EN900LCD	900VA 500W UPS	\$228.00	\$228.00

Total Charges : \$10,103.73

Sales Tax : \$0.00

Grand Total : \$10,103.73

Deposit Required to schedule work \$0.00

X

10/5/2020



Proposal #: 361
10/5/2020

Licensed by the N.Y.S. Department of State # 12000040711

Agreed To By _____ Print Name _____ Date _____

Recurring Services - Not Included In Above Pricing

Description	Monthly Amount	Amount
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Richard J. Franzetti, P.E.
Town Engineer

(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: June 2, 2021

Re: CSD 2 Membrane Filtration System upgrades - RFP 2021-007

The Town, along with the NYCDEP, completed a pilot study at the CSD 2 wastewater treatment plant (WWTP) in summer of 2015 and in the fall of 2015 the NYCDEP had "...placed the filters at CSD#2 WWTP on the list for replacement. EFC/DEP will reach out to T. of Carmel as soon as the procedures for the Capital Replacement Program are finalized." To date this work has not been completed and additional detail regarding the history of these units is provided in the attached annual report submitted to the NYCDEP.

The Pall unit pilot study was performed by the NYCDEP to assist the Town in replacing the existing Evoqua/Siemens membrane units after the completion of the pilot study.

The NYCDEP has recommended that the Town add a line to the O&M budget for an engineering proposal they will "...work to add the line to the budget". Per the attached May 19, 2021 email from the NYCDEP, "...the engineering effort to scope the proposed project is something that can be added to the facility's budget.", "...to do so DEP needs an engineering proposal from the firm that would complete the work, the cost of the completing the scope, and the timeframe for when it would be complete. As noted, the timing is key because DEP's contract to cover this kind of capital replacement calls for annual budgets by quarter and we want to include a placeholder for any proposed work."

In order have costs completed by prior the end of the quarter the Engineering Department solicited proposals for the referenced project on May 24, 2021. The proposal was to provide a cost to complete the scope, and the timeframe for when the work would be completed. The scope is to replace the existing Evoqua/Siemens units with a Pall unit. The attached scope of work was developed as part of the NYCDEP watershed upgrades.

Proposals were received by the Engineering office on June 2, 2021 and two (2) firms submitted. Copies of the proposals are attached. The costs provided are as follows:

Consultant	Costs
Hazen	\$ 35,000.00
Arcadis	\$ 95,000.00

We have advised the Comptroller's office of this expenditure and that the NYCDEP will included this a part of the facilities O&M budget.

Based on our evaluation of relative costs and proposed scope of work we recommend that the Contract be awarded to Hazen as the most responsive firm to the Town's needs for this project.

Richard J. Franzetti, P.E.
Town Engineer



(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: CSD 2 Microfiltration File
Mary Ann Maxwell, Town Comptroller 

From: Richard J. Franzetti P.E. Town Engineer

Date: January 27, 2021

Re: 2020 Microfiltration Annual Report for CSD #2

The following is the annual report for the referenced as required by section 9.04 of the Operation and Maintenance agreement between the Town and the New York City Department Environmental Protection.

1. Any Unanticipated Operation or Maintenance problems arising during the preceding year and measures taken to address such problems:

Difficulty with operations of the Microfiltration system when the water temperature is below 60 degrees F. Typically, between January - April in the filters do not handle feed turbidity above 1 NTU where by design they should be capable of up to 20 NTU. During these periods CIP (Clean In Place) intervals increase dramatically. From once every 150 hours of run time to once every 6-8 hours run time. The facility is staffed 24/7 during this time period to maintain plant operations and compliance. The high number of backwashes also causes high plant flows as the water is recycled for treatment.

This issue has been explored by the manufacture with no solutions, with a recent evaluation citing all of the membrane modules are in need of replacement, due to age an failure. See attached report.

The piping of the microfiltration system continues to fail and is replaced as the pipes leak and or burst.

Pilot study was completed by the DEP with a PALL filter with good results, no further actions were taken after this study was completed. See item 5 below.

2020 Microfiltration Annual Report for CSD #2

2. Any violations of the WWTP's SPDES Permit during the preceding year and measures taken to address such violations:

A TSS violation was reported due to membrane failure, individual membrane unit was taken off line, with the request for replacement modules submitted. To date no modules have been replaced.

3. Any recommendations for changes to the WWTP's Operation and Maintenance Manual and the reasons therefor:

None

4. Any foreseeable, unusual, and large Operation and Maintenance expenses expected in the coming year:

Module or system Replacement. Filter modules are original and have become fouled. Cannot be re pinned and must be replaced in the near future. Due to the nature of the piping issues and module failures along with controls system becoming obsolete a system replacement may be a better solution

5. Any other matters that the Owner and the City shall hereafter agree upon for inclusion in such reports:

See attached emails regarding the replacement of the existing Siemens microfiltration system with a PALL system. This includes the 11-03-2015 email from Mr. Robert Ravallo to the Town of Carme which states:

DEP has placed the filters at CSD#2 WWTP on the list for replacement. EFC/DEP will reach out to T. of Carmel as soon as the procedures for the Capital Replacement Program are finalized. Hoping to complete this by year's end.

And a 10-04-19 email which summarizes issues with the existing system which are as follows:

At the time we spoke, there was a concern by our operators that the existing membranes to be replaced. The cost to replace all four (4) units membrane modules the cost is approximately \$280,000 including labor from Evoque. At that time we did not believe the system would make it through another winter (which it did) and we are anticipating an increased CIP frequency this summer.

The existing micro filtration plant at CSD 2 continues not to perform as designed since 2009. The ongoing operational difficulties are the winter operation, pipe leaks and valve issues. The following is from our operators:

Winter operation:

2020 Microfiltration Annual Report for CSD #2

- Our operators have performed an increased number of chemical cleans (CIP) frequencies, backwash intervals, higher recycle flows and lower plant flow capacities. For instance
 - o The Design CIP frequency is 504 hours. During this period it has been on a steady decrease over the years, at its worst about 2 hours of run time on the worst unit (CMF201).
 - o Design primary backwash interval 30 minutes. Lowest interval 12 minutes
- The secondary unit was taken offline due to the CIP frequency and the inability to keep up with primary backwash volumes thus increasing plant recycle in upwards of 40%. (Design 15%)
- Design flow capacity 1.1 MGD. Lowest setting this winter to keep plant in operation was 0.8 MGD keep in mind that does not account for the backwash frequency changes and is actually less.

This past winter was exceptionally challenging due to the age and condition of the existing 18 year old membranes after 10 years of use. Upstream process conditions were similar to the years following the micro filtration completion. The plant had to be manned 24 hour a day to facilitate operation and preventing bypass or overflows. The necessary CIP frequency and continuous monitoring dictated the need for the additional time. We are coming out of the winter operational issues and plan on reducing to 12 hours of operations next week barring any changes.

Pipe leaks and valve issues:

- Shortly after function completion the CMF units experienced excessive pipe breakages primarily at glue joints causing leaks and the need for custom fabrication for repairs. This is due in part to the violent design of the backwash cycle. The total number of breakages has decreased over the years with added supports but still occurs to this day. Valve issues have been ongoing and consist of leaks, sticking, actuator and solenoid issues.

Recently (5/20/19) the DEP reported an elevated giardia count. Per our operator, there where no abnormal conditions noted on or around this date. However CMF unit 202 did fail the Pressure decay test (PDT) immediately after CIP but returned to its current normal range a few hours later. We have seen it do this before and Siemens had said years past that it is not uncommon. The PDT have been slowly creeping up over the years and are getting close to the warning range. The filtrate turbidity was between 0.07 and 0.10 ntu on 5/20.

To date no action has been taken by the NYCDEP.

Trip Report

Project Name:	Carmel 2	Date of Report:	12/10/2020
Project/Sales Order No:	1049661	Date(s) of Service:	12/7-12/9/2020
Technician:	Joe Pacheco	Purpose of Trip:	Service
Trip Objectives:	Surveillance		
Directions to Jobsite:	On File		
Equipment Furnished:	3X90-1X48		

Plant Address:	Carmel NY
Plant Contact:	Arthur Grippo
Plant Contact Phone/Fax No.:	845-541-3904
Other Contacts at Site:	
Date of Last Site Safety Inspection form	NA

Services Performed:

Unit 801 Recovery skid.

This skid has been out of service since 2016. In order to place skid back in operation the 48 modules will need to be replaced also all the O rings and possibly some tubes will need replacement may not be able to remove modules from the tubes if sand got inside never removed the past 4 years-some of the tubes may need replacement.

Units 201-202-203

The modules are not recovering the way they should after a CIP they have never been replaced over 10 years, keeping the skids in operation with the modules on this condition is not a good idea the system cannot be adjusted to the original specs, CIP's have to be done more frequent in order to keep them in operation valves cannot be adjusted the way they should be.

The pressure decay test results on these units is under 1 psi, I don't believe this number is real because of the condition of the modules, they have never been pinned before.

The #2 strainer has been out of service for quite sometime due to a defective differential pressure switch for automatic backwash. The backwash valve also needs to be replaced.

Trip Report

The plant has been operating without a backup control system, if the scada goes bad the plant cannot run, this happen to Carmel 4 which still does not have the HMI in operation. This AB1000 HMI should be replaced with a AB1500+ panel view.

The pneumatic manifolds on skids 201-202 are leaking they need to be replaced with SMC or Festo manifolds 203 has been replaced-801 has the Mac manifold still in good shape the only problem is that Mac does not make or support these manifolds.

The CIP pneumatic manifold is also leaking needs replacement (16 sol bank) Festo or SMC will do).

Parts for quote.

- 2) 20 solenoid bank manifold (SMC OR FESTO)
- 1) 16 solenoid bank manifold
- 1) HMI (Panel View to replace existing AB1000)
- 2) Differential pressure switch for strainer-part #J21K-150 9538 (Fluid Engineering)
- 1) Automax BW valve for strainer
- 2) AB input cards part# 1746-IB16
- 48) Modules for BW recovery unit

From: [Franzetti, Richard](mailto:Richard.Franzetti@ci.carmel.ny.us)
To: ["bsimmons@dep.nyc.gov"](mailto:bsimmons@dep.nyc.gov)
Subject: FW: 11-03-15 - RE: Carmel, NY- Pall Membrane Filter Pilot Update - 6/26/2015
Date: Wednesday, June 19, 2019 9:01:54 AM

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
Cell – (914) 843-4704
rjf@ci.carmel.ny.us

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From: Ravallo, Robert [<mailto:RRavallo@dep.nyc.gov>]
Sent: Friday, November 06, 2015 3:51 PM
To: Franzetti, Richard; 'mike_petrucchio@pall.com'; Stor, Andrew; Maggio, Vincent
Cc: Wayne Gendron; dave_glovinsky@pall.com; Harry.Nelson@efc.ny.gov; John E. Folchetti (john.folchetti@jrfa.com); Batz, Michael; Robert.Sammons@efc.ny.gov; greg_cempa@pall.com; Sammons, Robert (EFC)
Subject: RE: 11-03-15 - RE: Carmel, NY- Pall Membrane Filter Pilot Update - 6/26/2015
Rich

DEP has placed the filters at CSD#2 WWTP on the list for replacement. EFC/DEP will reach out to T. of Carmel as soon as the procedures for the Capital Replacement Program are finalized. Hoping to complete this by year's end.

Bob

From: Franzetti, Richard [<mailto:rjf@ci.carmel.ny.us>]
Sent: Tuesday, November 03, 2015 9:23 AM
To: 'mike_petrucchio@pall.com'; Ravallo, Robert; Stor, Andrew; Maggio, Vincent
Cc: Wayne Gendron; dave_glovinsky@pall.com; Harry.Nelson@efc.ny.gov; John E. Folchetti (john.folchetti@jrfa.com); Batz, Michael; Robert.Sammons@efc.ny.gov; greg_cempa@pall.com
Subject: 11-03-15 - RE: Carmel, NY- Pall Membrane Filter Pilot Update - 6/26/2015

Mike,

Has the final comprehensive report been completed? If not, is there an anticipated date for this to be delivered?

Bob,

Has the NYCDEP made a decision on replacement of the filters?

Thanks

Richard J. Franzetti. P.E, BCEE, LEED ^{AP}
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
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From: mike_petruccho@pall.com [mailto:mike_petruccho@pall.com]

Sent: Friday, June 26, 2015 10:30 AM

To: Ravallo, Robert; Vincent.Maggio@STServices.com; Stor, Andrew [ASor@dep.nyc.gov]

Cc: Wayne Gendron; dave_glovinsky@pall.com; Harry.Nelson@efc.ny.gov; John E. Folchetti (john.folchetti@jrfa.com); Batz, Michael; Franzetti, Richard; Robert.Sammons@efc.ny.gov; greg_cempa@pall.com

Subject: Carmel, NY- Pall Membrane Filter Pilot Update - 6/26/2015

The Pall filter pilot has continued to run very well at Carmel. We have now passed the 6-month mark, and we will continue to run the pilot unit until we can organize a final CIP, decommissioning, and shipping. Due to a schedule crunch on my part, I would like to let the unit run until the week of July 6th or the week of the 13th if everyone is OK with that. As this is solely for accommodating my schedule, there of course would be no additional charges from Pall (just to be clear). Please let me know if there are any schedule drivers from any of you that would dictate pulling the unit sooner.

As far as pilot operations, there once again is very little to comment on. The unit has been running since our CIP on 4/27 without any issues. We have 37 days of total runtime so far in this period (not counting when the plant is in pause). This has been a great cycle, and it looks like we could continue operation at this flux (30.5 GFD) without EFM or CIP for at least a couple of more weeks and likely more. In other words, we are not anywhere close to needing a CIP.

I am in the process of preparing my final comprehensive report. Up-to-date performance trends are attached. As always, please let me know if you have any questions.

(See attached file: Pall Pilot Data - Carmel 2015_06_26.pdf)

Thanks,

Mike Petrucco
Pilot Project Engineer
Pall Corporation
mike_petruccho@pall.com
(m) 607-423-1239
(o) 607-758-1743

▼ Mike Petrucco---06/12/2015 10:24:30 AM---Good morning gentlemen. Once again, I have to repeat myself with the statement that the pilot at Car

From: Mike Petrucco/Cortland/Pall
To: "Ravallo, Robert" <RRavallo@dep.nyc.gov>, Vincent.Maggio@STServices.com <Vincent.Maggio@STServices.com>, "Stor, Andrew [ASor@dep.nyc.gov]" <ASor@dep.nyc.gov>
Cc: Wayne Gendron <wayne.gendron@tctechllc.com>, Dave Glovinsky/PortWashington/Pall@Pall, Harry.Nelson@efc.ny.gov, Jay Jackson <jay_jackson@pall.com>, "John E. Folchetti (john.folchetti@jrfa.com)" <john.folchetti@jrfa.com>, "Batz, Michael" <Michael.Batz@stservices.com>, "Franzetti, Richard" <rjf@ci.carmel.ny.us>, Robert.Sammons@efc.ny.gov, Scott Toomey/Cortland/Pall@Pall, Greg Cempa/Cortland/Pall@Pall
Date: 06/12/2015 10:24 AM

Good morning gentlemen. Once again, I have to repeat myself with the statement that the pilot at Carmel has continued to run well. The performance has been great, without any issues. The water has become easier/less fouling during this cycle. We had set out to have a cycle with EFMs once per day. This was helpful and did occur during the first third of the cycle. After that point, the EFM stopped working because, as we figured out later, a hose had become disconnected from our water heater. Dave Glovinsky corrected this when he was out there on 5/23. We resumed daily EFM after that point up until 5/28 at which point we disabled the EFM. This was because EFM was clearly not necessary as our fouling rate was minuscule for the second half of this cycle. If you look at the attached charts, I think this will be apparent. During this cycle, we did a total of 18 EFMs. We have almost 30 days of filter time at this point, so if we continue out the pilot until our 6-month point (June 18), we can have a cycle with an average EFM interval of two days.

I do think that this cycle shows us that if 30 GFD were selected, we will need to plan for a daily EFM during the more difficult (winter) conditions at the plant.

[attachment "Pall Pilot Data - Carmel 2015_06_12.pdf.zip" deleted by Mike Petrucco/Cortland/Pall]

Please let me know if you have any questions.

Thanks,

Mike Petrucco
Pilot Project Engineer
Pall Corporation
mike_petrucco@pall.com
(m) 607-423-1239
(o) 607-758-1743

▼ Mike Petrucco---05/22/2015 03:34:00 PM---Good afternoon everyone- The pilot unit at Carmel has continued to run very well. We started the cur

From: Mike Petrucco/Cortland/Pall
To: "Ravallo, Robert" <RRavallo@dep.nyc.gov>, Vincent.Maggio@STServices.com <Vincent.Maggio@STServices.com>, "Stor, Andrew [AStor@dep.nyc.gov]" <AStor@dep.nyc.gov>, Wayne Gendron <wayne.gendron@tctechllc.com>, Dave Glovinsky/PortWashington/Pall@Pall
Cc: Harry.Nelson@efc.ny.gov, Jay Jackson <jay_jackson@pall.com>, "John E. Folchetti (john.folchetti@irfa.com)" <john.folchetti@irfa.com>, "Batz, Michael" <Michael.Batz@stservices.com>, "Franzetti, Richard" <rif@ci.carmel.ny.us>, Robert.Sammons@efc.ny.gov, Scott Toomey/Cortland/Pall@Pall, Greg Cempa/Cortland/Pall@Pall
Date: 05/22/2015 03:34 PM
Subject: Re: Carmel, NY- Pall Membrane Filter Pilot Update - 4/24/2015

Good afternoon everyone- **The pilot unit at Carmel has continued to run very well.** We started the current cycle (Cycle #4) on 4/27. This cycle is somewhat of a repeat of the last cycle in that we are still evaluating 30.5 GFD, but we are using the EFM more frequently. It has been set to do a chlorine EFM (500 mg/L approximate) once every 24 hours. In cycle 3, it was done on an as needed basis when the TMP reached into the mid-30's psi. In this cycle we are looking at

maintaining a lower foulant load by using the EFM as more of a maintenance clean, thereby keeping the membrane cleaner overall through the whole cycle.

Unfortunately, the EFM equipment has malfunctioned recently and we have not had a EFM since 5/9. Fortunately however, we have not needed since then either. We are looking into why it is not transferring the cleaning solution and for now have disabled it until we can sort that out. A big part of the reason we have not needed it in this last 10 or so days is that we are seeing an improvement in the feed water. I suspect that we are working our way out of the difficult season here.

We are looking at this data, compared to what we have from the previous cycles as part of the evaluation of flux, plant cost, etc.

From here, I suggest that we finish out this cycle and the remainder of the pilot using the current setpoints. If anyone has any other suggestions, please let me know. I am open to looking at whatever we can with the remainder of the time.

Attached are all of our data trends collected to date.

[attachment "Pall Pilot Data - Carmel 2015_05_22.pdf.zip" deleted by Mike Petrucco/Cortland/Pall]

Thanks,

Mike Petrucco
Pilot Project Engineer
Pall Corporation
mike_petrucco@pall.com
(m) 607-423-1239
(o) 607-758-1743

▼ Mike Petrucco---04/24/2015 11:23:31 AM---Good morning- I apologize for the amount of time that has passed since my last update to you all. Th

From: Mike Petrucco/Cortland/Pall
To: "Stor, Andrew [AStor@dep.nyc.gov]" <AStor@dep.nyc.gov>, Dave Glovinsky/PortWashington/Pall@Pall, "Ravallo, Robert" <RRavallo@dep.nyc.gov>, Vincent.Maggio@STServices.com <Vincent.Maggio@STServices.com>, Wayne Gendron <wayne.gendron@ttechllc.com>
Cc: Harry.Nelson@efc.ny.gov, Jay Jackson <jay_jackson@pall.com>, "John E. Folchetti (john.folchetti@irfa.com)" <john.folchetti@irfa.com>, "Batz, Michael" <Michael.Batz@stservices.com>, "Franzetti, Richard" <rif@ci.carmel.ny.us>, Robert.Sammons@efc.ny.gov, Scott Toomey/Cortland/Pall@Pall
Date: 04/24/2015 11:23 AM
Subject: Carmel, NY- Pall Membrane Filter Pilot Update - 4/24/2015

Good morning-

I apologize for the amount of time that has passed since my last update to you all. The good news (there is no bad news as far as I know) is that the pilot has run very well over this time. I will do this in more of a bullet list to hit the highlights, as we are at our next decision point for another cycle.

- We have now run 30 days of runtime (over the past 37 days) at 30.5 GFD.

- During this time, we have needed 9 EFMs, so we have an average EFM interval of once per 3 days
- We have seen higher feed turbidities toward the end of this cycle than we saw in the last cycle.
- We need to do a CIP, and start a new cycle.

I suggest we look at one of the following scenarios in our next cycle:

1. 35 GFD with a more frequent EFM cycle (we will need to evaluate as we go, but I suspect it will be needed every 1-2 days)
2. repeat the 30.5 GFD used in the current cycle.

I would like to get the CIP done on Monday if possible, and start our new cycle right away and would appreciate your recommendation back on what you would like to see tested in the next cycle.

Also, if Vinny can provide any comment on the higher feed turbidity and the conditions he is seeing at the plant, it would be helpful in understanding our performance.

[attachment "Pall Pilot Data - Carmel 2015_04_24.pdf" deleted by Mike Petrucco/Cortland/Pall]

Thanks,

Mike Petrucco
 Pilot Project Engineer
 Pall Corporation
mike_petrucco@pall.com
 (m) 607-423-1239
 (o) 607-758-1743

Mike Petrucco---03/26/2015 09:34:07 AM---Good morning gentlemen- The filter pilot has continued to run very well. Since our CIP on 3/18, we h

From: Mike Petrucco/Cortland/Pall
 To: Dave Glovinsky/PortWashington/Pall@Pall, Wayne Gendron <wayne.gendron@tctechllc.com>, Vincent.Maggio@STServices.com <Vincent.Maggio@STServices.com>
 Cc: Harry.Nelson@efc.ny.gov, Robert.Sammons@efc.ny.gov, "Batz, Michael" <Michael.Batz@stservices.com>, "Franzetti,Richard" <rjf@ci.carmel.ny.us>, Jay Jackson <jay_jackson@pall.com>, "John E. Folchetti (john.folchetti@irfa.com)" <john.folchetti@irfa.com>, "Ravallo, Robert" <RRavallo@dep.nyc.gov>, "Stor, Andrew [ASor@dep.nyc.gov]" <ASor@dep.nyc.gov>, Scott Toomey/Cortland/Pall@Pall
 Date: 03/26/2015 09:34 AM
 Subject: Carmel, NY- Pall Membrane Filter Pilot Update - 3/26/2015

Good morning gentlemen-

The filter pilot has continued to run very well. Since our CIP on 3/18, we have been running at 30.8 GFD, 92.5% recovery. The trend is excellent. It has been a week at this flux (~6 days of filter operations) and we have not needed to do any EFMs (chlorine maintenance cleans). I will leave the unit running at these parameters until I hear input back from you guys.

I have attached the latest trends. The first page shows our performance for just this current cycle. That chart is arranged by date, so it shows the pauses when both the main filter plant and the

Pall pilot are not running. The second two pages have both the last cycle and this cycle so that you can compare the two a little more easily. Those two pages are arranged by operational days, so the pauses are removed, showing what continuous operation would look like.

[attachment "Pall Pilot Data - Carmel 2015_03_26.pdf.zip" deleted by Mike Petrucco/Cortland/Pall]

Thanks,

Mike Petrucco
Pilot Project Engineer
Pall Corporation
mike_petrucco@pall.com
(m) 607-423-1239
(o) 607-758-1743

Attention:

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From: [Meyer, Michael](#)
To: [Franzetti, Richard](#)
Cc: [Sabatino, Anthony](#); [Stor, Andrew](#); [Schmitt, Kenneth](#); [Greg Folchetti](#); [Ostapyshyn, Dmitriy](#)
Subject: RE: 07-31-2020 RE: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system
Date: Wednesday, August 19, 2020 7:19:27 AM

Rich,

To follow up on the proposal to discuss the situation, I would be free on the morning of 8/21 or anytime on 8/25 if that would work for you.

Best,
Mike

From: Meyer, Michael <MeyerM@dep.nyc.gov>
Sent: Friday, July 31, 2020 2:37 PM
To: Franzetti, Richard <rjf@ci.carmel.ny.us>
Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>
Subject: Re: 07-31-2020 RE: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

I have limited access to work/office the next couple weeks but I could do Monday at 12:30pm

From: Franzetti, Richard <rjf@ci.carmel.ny.us>
Sent: Friday, July 31, 2020 1:02 PM
To: Meyer, Michael <MeyerM@dep.nyc.gov>
Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>
Subject: 07-31-2020 RE: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Mike

Please advise as to when we may be able to have a meeting regarding this issue. Can one be arranged for next week?

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Franzetti, Richard
Sent: Thursday, July 30, 2020 2:57 PM
To: 'Meyer, Michael' <MeyerM@dep.nyc.gov>
Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>
Subject: RE: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system
Importance: High

I feel this is going nowhere. I suggest that we set up a meeting so that all parties (including NEIWPCC) are all on the same page and that the Town receives the upgrade promised by the NYCDEP in 2012/2013.

Richard J. Franzetti. P.E, BCEE
Town Engineer
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Mahopac, New York 10541
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From: Meyer, Michael
Sent: Thursday, July 30, 2020 2:47 PM
To: Franzetti, Richard
Cc: Sabatino, Anthony ; Stor, Andrew ; Schmitt, Kenneth ; Greg Folchetti ; Ostapyshyn, Dmitriy
Subject: Re: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Rich,

My understanding is that the Town wants to move ahead directly with repair/replacement. The scope of work from 2019 outlined engineering work but does not provide the information needed to move into an agreement with NEIWPCC. Those items are outlined below.

Best,

Mike

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Thursday, July 30, 2020 2:42 PM

To: Meyer, Michael <MeyerM@dep.nyc.gov>

Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>

Subject: RE: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Mike

Please see below

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
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From: Meyer, Michael <MeyerM@dep.nyc.gov>

Sent: Thursday, July 30, 2020 2:32 PM

To: Franzetti, Richard <rjf@ci.carmel.ny.us>

Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>

Subject: Re: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Rich,

It appears that we are close to being on the same page. We do not disagree that there is need for work/replacement of the units. *[Richard Franzetti] great*

The agreement that is used to provide funding needs to include a rough scope of work, schedule and cost estimate so that it can be put into place.

[Richard Franzetti] the scope/cost was provided in on October 10, 2019 (see attached emails). The NYCDEP has the final information from Pall regarding the proposed layout for the upgrade as this was from the Pilot study. The Town does not have a copy of the final report from Pall . This is where, while we are close to being on the same page, we have the disconnect. It is my understanding that the NYCDEP all of this information already for the replacement of these units.

There is a mechanism within the O&M agreement whereby these can be generated to move it forward.

Best,
Mike

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Thursday, July 30, 2020 2:14 PM

To: Meyer, Michael <MeyerM@dep.nyc.gov>

Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <ASor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapysyn, Dmitriy <DOstapysyn@dep.nyc.gov>

Subject: 07-30-2020 RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Thanks Mike,

Please see my comments below,

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
Cell – (914) 843-4704
rjf@ci.carmel.ny.us

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From: Meyer, Michael <MeyerM@dep.nyc.gov>
Sent: Thursday, July 30, 2020 1:59 PM
To: Franzetti, Richard <rjf@ci.carmel.ny.us>
Cc: Sabatino, Anthony <ASabatino@dep.nyc.gov>; Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>
Subject: Re: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Rich,

Thanks for the call the other day. To move the project forward, we have identified the need to NEIWPC so that they can put it in their schedule and adopt a budget with anticipated costs from the facility. *[Richard Franzetti] Great - thanks*

The next step would be to frame out the issue in writing so that it can move to the stage where an agreement between NEI and the Town can be put into place.

[Richard Franzetti] what issue are you talking about? We have been documenting the failure of the existing units to the NYCDEP for a bunch of years now. The NYCDEP undertook the expense and effort to pilot the Pall unit based on these concerns in 2014. See the attached 09-16-14 email

The O&M agreement calls for annual reporting on the status of equipment.

This may be a useful mechanism to outline the issues and the possible options for addressing them. I believe that the Pall system may be the recommended alternative but it would be useful to have a rough timeframe for work and a rough budget so that the contracting step can be done. *[Richard Franzetti] Outside of the requests that have been made for the past five (5) years about status, the last correspondence between the Town and DEP was the "DEP has placed the filters at CSD#2 WWTP on the list for replacement" - see the attached 11-03-2015 email. We have been waiting since 2015 to have these units replaced. It is time to have these units replaced.*

Thanks

Mike

From: Meyer, Michael
Sent: Friday, May 29, 2020 11:47 AM
To: Franzetti, Richard <rjf@ci.carmel.ny.us>
Cc: Stor, Andrew <AStor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>; Anthony Sabatino (<ASabatino@dep.nyc.gov>) <ASabatino@dep.nyc.gov>; Ostapyshyn, Dmitriy <DOstapyshyn@dep.nyc.gov>
Subject: RE: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Rich,
Thanks for the email and call today.

Yes, we are in contract with NEIWPCC. An agreement between NEIWPCC and the Town would be the step that would provide the capital funding needed for the larger project. When I reached out this past March, it was to get an update on the scope and to fold that cost into the Town's O&M budget. Since it is not yet underway, I'll discuss with NEIWPCC if that can be folded into the larger agreement or if it still makes sense to direct that work under the O&M agreement.

Thanks again.
Mike

From: Franzetti, Richard <rjf@ci.carmel.ny.us>
Sent: Friday, May 29, 2020 11:12 AM
To: Meyer, Michael <MeyerM@dep.nyc.gov>
Cc: Stor, Andrew <ASTor@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>; Greg Folchetti <gfolchetti@costellofolchetti.com>
Subject: 05-29-2020 RE: 10-11-19 Existing CSD2 Membrane and future Pall system

Mike

It was a pleasure speaking with you earlier today. Glad you are well and staying safe.

As we discussed, I just wanted to follow up on the status of the attached and email below. As you mentioned, the DEP has entered into the contract with the New England Interstate Water Pollution Control Commission (NEIWPCC) to administer capital projects.

The Town of Carmel would like to move forward with this project and would like to know the process in making this happen.

You mention that you would discuss with NEIWPCC on a call next week, thanks in advance for that discussion.

Have a great weekend.

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
Cell – (914) 843-4704
rjf@ci.carmel.ny.us

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From: Meyer, Michael <MeyerM@dep.nyc.gov>
Sent: Friday, October 11, 2019 12:32 PM
To: Franzetti, Richard <rjf@ci.carmel.ny.us>; Meyer, Michael <MeyerM@dep.nyc.gov>
Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Stor, Andrew <ASor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>
Subject: Re: 10-11-19 Existing CSD2 Membrane and future Pall system

Thanks Rich.
We will take a look at it and be in touch.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Franzetti, Richard"
Date: 10/11/19 12:26 PM (GMT-05:00)
To: "Meyer, Michael"
Cc: 'John Folchetti' , "Stor, Andrew" , "Simmons, Brad" , "Schmitt, Kenneth"
Subject: 10-11-19 Existing CSD2 Membrane and future Pall system

Mike

Attached is the scope of work. The cost will range between \$15,000 to \$20,000 and we intend to apply this cost to the O&M budget.

Thanks. Have a great weekend.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

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From: Franzetti, Richard
Sent: Friday, October 04, 2019 12:28 PM
To: 'Meyer, Michael'
Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Schmitt, Kenneth
Subject: 10-04-19 Existing CSD2 Membrane and future Pall system
Importance: High

Mike

Thanks I did have a good summer, I hope you did too.

We plan on having the scope and cost estimate for the conceptual plan by the end of next week.

Have a great weekend.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]
Sent: Wednesday, September 25, 2019 4:33 PM
To: Franzetti, Richard
Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Schmitt, Kenneth
Subject: RE: 08-0-19 RE: 07-31-19 9 - Existing CSD2 Membrane and future Pall system

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Rich,

I hope that you had a good summer.

As you know our contract with NEI W is in place. We are developing the work plan for the coming months. When possible, it would be useful to have an update on the status of the scope, timeframe and cost estimate for any proposed work at CSD2. If you have an update, please let me know.

Best,

Mike

**Michael J. Meyer | Section Chief | NYC Environmental Protection
Bureau of Water Supply, Watershed Lands & Community Planning
(O) 845 340-7267 | (C) 917 618-0812 | mmeyer@dep.nyc.gov**

From: Meyer, Michael

Sent: Thursday, August 01, 2019 1:48 PM
To: Franzetti, Richard
Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Schmitt, Kenneth
Subject: RE: 08-0-19 RE: 07-31-19 9 - Existing CSD2 Membrane and future Pall system
Sounds good.
Thanks

From: Franzetti, Richard <rjf@ci.carmel.ny.us>
Sent: Thursday, August 01, 2019 12:22 PM
To: Meyer, Michael <MeyerM@dep.nyc.gov>
Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Stor, Andrew <ASor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>
Subject: 08-0-19 RE: 07-31-19 9 - Existing CSD2 Membrane and future Pall system
Ok thanks we will get back to you.
Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]
Sent: Wednesday, July 31, 2019 4:37 PM
To: Franzetti, Richard; Meyer, Michael; Pasquerello, Anne
Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Schmitt, Kenneth
Subject: Re: 07-31-19 9 - Existing CSD2 Membrane and future Pall system
Thanks.
As discussed, I think we could review the proposal for putting the estimate together as a possible O&M item. Once you have one you can send it for review.
The work itself would be under the NEI contract.
Thanks
Mike
Sent from my Verizon, Samsung Galaxy smartphone
----- Original message -----
From: "Franzetti, Richard" <rjf@ci.carmel.ny.us>
Date: 7/31/19 4:19 PM (GMT-05:00)
To: "Meyer, Michael" <MeyerM@dep.nyc.gov>, "Pasquerello, Anne" <amp2@ci.carmel.ny.us>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>, "Stor, Andrew" <ASor@dep.nyc.gov>, "Simmons, Brad" <BSimmons@dep.nyc.gov>, "Schmitt, Kenneth" <ks@ci.carmel.ny.us>

Subject: 07-31-19 9 - Existing CSD2 Membrane and future Pall system
Mike,

Thanks for the update and that is great news regarding NEIWPC.

We are in the looking into developing the cost estimate, as a follow up is this covered under the O&M contract or do we have to wait for the NEIWPC to be in effect?

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

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rjf@ci.carmel.ny.us

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]

Sent: Tuesday, July 30, 2019 10:49 AM

To: Franzetti,Richard; Pasquerello,Anne

Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Schmitt, Kenneth

Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall system

I just wanted to follow up on our call from a few weeks ago. There is some good news to report in that our contract with NEIWPC got registered. It will still take them several months to get fully up and running but at least we know we have the underlying contract in place.

As we discussed, the contract under which any capital replacement of equipment take place would be between the Town and NEI. We anticipate having a draft version of that model participation agreement soon but it will be essentially similar to the upgrade contract.

When possible, it would be useful to have an update on the status of the cost estimate for proposed work. If you have an update on the scope and timeframe, please let me know.

Thanks

From: Meyer, Michael

Sent: Thursday, June 27, 2019 9:01 AM

To: Franzetti,Richard <rjf@ci.carmel.ny.us>; Pasquerello,Anne

<amp2@ci.carmel.ny.us>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Stor, Andrew <AStor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>

Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall system

The call in number is 845-340-2032.

Thanks

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Thursday, June 27, 2019 8:34 AM

To: Meyer, Michael <MeyerM@dep.nyc.gov>; Pasquerello, Anne <amp2@ci.carmel.ny.us>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Stor, Andrew <AStor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>

Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall system

Thanks, can you please set up a call in number

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]

Sent: Wednesday, June 26, 2019 4:23 PM

To: Pasquerello, Anne; Franzetti, Richard

Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Schmitt, Kenneth

Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall system

Thanks. That can work for me.

If you would like me to set up a conference line, please let me know.

From: Pasquerello, Anne <amp2@ci.carmel.ny.us>

Sent: Wednesday, June 26, 2019 4:18 PM

To: Franzetti, Richard <rjf@ci.carmel.ny.us>; Meyer, Michael <MeyerM@dep.nyc.gov>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Stor, Andrew

<ASor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>;
Schmitt, Kenneth <ks@ci.carmel.ny.us>

Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall system

Rich, is Kenny involved in this meeting or is he just being cc'd on the email chain.

Anne Pasquerello
Confidential Assistant to Town Supervisor
Carmel Town Hall
60 McAlpin Avenue
Mahopac, NY 10541
Office: 845-628-1500 ext. 137
Fax: 845-628-6836

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From: Franzetti, Richard
Sent: Wednesday, June 26, 2019 4:16 PM
To: 'Meyer, Michael'
Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Pasquerello, Anne; Schmitt, Kenneth
Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall system

Does July 3 at 10 AM work for everyone on the email? Please advise.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]
Sent: Wednesday, June 26, 2019 3:08 PM
To: Franzetti, Richard
Cc: 'John Folchetti'; Stor, Andrew; Simmons, Brad; Pasquerello, Anne; Schmitt, Kenneth
Subject: RE: 06-26-19 - Existing CSD2 Membrane and future Pall

system

Rich,

I think a conference call would be useful to discuss next steps. I would be free most of July 3 or 8.

Please let me know if either of those days would work for you.

Mike

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Wednesday, June 26, 2019 2:03 PM

To: Meyer, Michael <MeyerM@dep.nyc.gov>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Stor, Andrew <ASor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>; Pasquerello, Anne <amp2@ci.carmel.ny.us>; Schmitt, Kenneth <ks@ci.carmel.ny.us>

Subject: 06-26-19 - Existing CSD2 Membrane and future Pall system

Importance: High

Mike

Thanks for your response. In the interest of moving this project forward I think that we should meet to discuss further.

This will help both sides gain a better understanding of what work has been done and what the next steps are moving forward.

Please advise as to when you are available to meet to discuss.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]

Sent: Tuesday, June 25, 2019 4:37 PM

To: Franzetti, Richard

Cc: 'John Folchetti'; Vincent Maggio ; Stor, Andrew; Simmons, Brad

Subject: RE: 06-25-19 RE: 06-04-19 - Existing CSDMike2 Membrane and future Pall system

Rich,

Thanks for your email.

As you know, the information that I have is somewhat limited. The information we have is based around the agreement that was entered into between PALL and the Town of Carmel in order to

assess the viability of the proposed technology. I do not have any information about DEP being involved in the sizing or designing a system for Carmel. That has been done in the past by the WWTP owner. However, if you have any information on that end, it would be useful. I'll continue to review the files in case something else exists.

Best,
Mike

**Michael J. Meyer | Section Chief | NYC Environmental Protection
Bureau of Water Supply, Watershed Lands & Community Planning
(O) 845 340-7267 | (C) 917 618-0812 | (F) 845 338-1371 |
mmeyer@dep.nyc.gov**

From: Franzetti, Richard <rjf@ci.carmel.ny.us>
Sent: Tuesday, June 25, 2019 4:01 PM
To: Meyer, Michael <MeyerM@dep.nyc.gov>
Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Vincent Maggio <Vincent.maggio@inframark.com>; Stor, Andrew <ASor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>
Subject: RE: 06-25-19 RE: 06-04-19 - Existing CSDMike2 Membrane and future Pall system

Mike

The Town of Carmel does not have any of this information as that aspect of the study was sanctioned/funded/organized/directed/led/supervised etc. by the NYCDEP

We have pilot study information and the promise of a final comprehensive report which to date has not been provided (see attached).

The information you are requesting rests solely with the NYCDEP.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]

Sent: Tuesday, June 25, 2019 1:12 PM

To: Franzetti, Richard

Cc: 'John Folchetti'; Vincent Maggio ; Stor, Andrew; Simmons, Brad

Subject: RE: 06-25-19 RE: 06-04-19 - Existing CSD2 Membrane and future Pall system

Rich,

Thanks for the information in your email.

In order to best evaluate the possible paths forward, could you please forward a copy of the evaluation of the options for replacement including a cost estimate for a replacement using the PALL system? It would also be useful to have an approximate schedule for how long it would take to complete the work (including procurement, construction and close out). This information would be useful to assess what contracting options exist.

Best,

Mike

**Michael J. Meyer | Section Chief | NYC Environmental Protection
Bureau of Water Supply, Watershed Lands & Community Planning
(O) 845 340-7267 | (C) 917 618-0812 | (F) 845 338-1371 |
mmeyer@dep.nyc.gov**

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Tuesday, June 25, 2019 12:53 PM

To: Meyer, Michael <MeyerM@dep.nyc.gov>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Vincent Maggio <Vincent.maggio@inframark.com>; Stor, Andrew <ASor@dep.nyc.gov>; Simmons, Brad <BSimmons@dep.nyc.gov>

Subject: 06-25-19 RE: 06-04-19 - Existing CSD2 Membrane and future Pall system

Importance: High

Mike

I spoke with Brad Simmons last week (June 19) and the following is a summary of what we discussed:

- BS thought we wanted to purchase new membranes for the existing system.
- RF explained history of the pilot study and provided him a copy of the last email I had (see attached) with Bob Ravallo.
- RF explained that the intention **is to replace the existing system.**
- BS said he would look into this as this is something the NYCDEP wants, however they do not have an agreement with EFC any longer and are working on new financing options.

I have attached the quote from Evoqua for the new membrane filters (not the preferred option). The intention is to have the Pall system installed as soon as possible.

However so that we are on the same page, depending on the

timeline for the Pall system the existing membranes will most likely have to be replaced. Our operators have indicated that In order to make it through last winter/spring the plant had to be manned around the clock and we were lucky that all three (3) primary units were able to remain in service.

The system needs to be replaced/upgraded with the Pall system .

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Meyer, Michael [<mailto:MeyerM@dep.nyc.gov>]

Sent: Friday, June 21, 2019 2:15 PM

To: Franzetti,Richard

Cc: 'John Folchetti'; Vincent Maggio ; Stor, Andrew; Simmons, Brad

Subject: RE: 06-04-19 - Existing CSD2 Membrane and future Pall system

Rich,

When possible, could you let me know when the town may have the information outlined below. For contracting purposes, it would be useful for DEP to have this information so we can better align our contracts and budgets with the Town's needs.

Thanks and have a great weekend.

Mike

From: Meyer, Michael

Sent: Friday, June 07, 2019 1:40 PM

To: Franzetti,Richard <rjf@ci.carmel.ny.us>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Vincent Maggio <Vincent.maggio@inframark.com>; Stor, Andrew <ASor@dep.nyc.gov>; Brad Simmons (BSimmons@dep.nyc.gov) <BSimmons@dep.nyc.gov>

Subject: RE: 06-04-19 - Existing CSD2 Membrane and future Pall system

Rich,

Thank you for your email. We appreciate the time you took to detail the issues that you are experiencing at the facility.

In order to best evaluate the conditions and the possible paths

forward, could you please forward a copy of the cost estimate to replace the four modules prepared by Evoque? Additionally, it would be useful to have an approximate schedule for how long it would take to complete the work (including procurement, construction and close out). This information would be useful to assess what options exist.

Thanks very much

**Michael J. Meyer | Section Chief | NYC Environmental Protection
Bureau of Water Supply, Watershed Lands & Community Planning
(O) 845 340-7267 | (C) 917 618-0812 | (F) 845 338-1371 |
mmeyer@dep.nyc.gov**

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Tuesday, June 04, 2019 4:37 PM

To: Meyer, Michael <MeyerM@dep.nyc.gov>

Cc: 'John Folchetti' <John.Folchetti@jrfa.com>; Vincent Maggio <Vincent.maggio@inframark.com>; Stor, Andrew <ASor@dep.nyc.gov>

Subject: 06-04-19 - Existing CSD2 Membrane and future Pall system

Importance: High

Mike,

I know I contacted you a while back (maybe e a year now?) regarding the membranes at the Town of Carmel Sewer District #2 (CSD2) and the status of the replacing the existing system with a Pall system. At the time we spoke, there was a concern by our operators that the existing membranes to be replaced. The cost to replace all four (4) units membrane modules the cost is approximately \$280,000 including labor from Evoque. At that time we did not believe the system would make it through another winter (which it did) and we are anticipating an increased CIP frequency this summer.

The existing micro filtration plant at CSD 2 continues not to perform as designed since 2009. The ongoing operational difficulties are the winter operation, pipe leaks and valve issues. The following is from our operators:

Winter operation:

- Our operators have performed an increased number of chemical cleans (CIP) frequencies, backwash intervals, higher recycle flows and lower plant flow capacities. For instance
 - o The Design CIP frequency is 504 hours. During this period it has been on a steady decrease over the years, at is worst about 2 hours of run time on the worst unit (CMF201).
 - o Design primary backwash interval 30 minutes. Lowest interval 12 minutes
- The secondary unit was taken offline due to the CIP frequency

and the inability to keep up with primary backwash volumes thus increasing plant recycle in upwards of 40%. (Design 15%)

- Design flow capacity 1.1 MGD. Lowest setting this winter to keep plant in operation was 0.8 MGD keep in mind that does not account for the backwash frequency changes and is actually less.

This past winter was exceptionally challenging due to the age and condition of the existing 18 year old membranes after 10 years of use. Upstream process conditions were similar to the years following the micro filtration completion. The plant had to be manned 24 hour a day to facilitate operation and preventing bypass or overflows. The necessary CIP frequency and continuous monitoring dictated the need for the additional time. We are coming out of the winter operational issues and plan on reducing to 12 hours of operations next week barring any changes.

Pipe leaks and valve issues:

- Shortly after function completion the CMF units experienced excessive pipe breakages primarily at glue joints causing leaks and the need for custom fabrication for repairs. This is due in part to the violent design of the backwash cycle. The total number of breakages has decreased over the years with added supports but still occurs to this day. Valve issues have been ongoing and consist of leaks, sticking, actuator and solenoid issues.

Recently (5/20/19) the DEP reported an elevated giardia count. Per our operator, there where no abnormal conditions noted on or around this date. However CMF unit 202 did fail the Pressure decay test (PDT) immediately after CIP but returned to its current normal range a few hours later. We have seen it do this before and Siemens had said years past that it is not uncommon. The PDT have been slowly creeping up over the years and are getting close to the warning range. The filtrate turbidity was between 0.07 and 0.10 ntu on 5/20.

This is only a brief summary of what we are experiencing. We need know the status of the replacement Pall system? This past winter was exceptionally challenging and we are still performing at least 1 CIP daily currently.

Something needs to be done ASAP. Please advise.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

From: [Meyer, Michael](#)
To: [Franzetti, Richard](#); [Warne, David](#); [Schmitt, Kenneth](#)
Cc: [Pasquerello, Anne](#); [Ostapyshyn, Dmitry](#); [DEP-WLCP Wastewater](#)
Subject: RE: 05-19-20210 CSD2 Microfiltration Module Replacement
Date: Wednesday, May 19, 2021 11:55:15 AM

Rich,

Thanks for the email update on the project. Dave asked that I respond directly.

Thanks also for sharing a digital copy of the final PALL report. Hopefully, it will provide useful guidance at the project moves forward.

In response to your question, the engineering effort to scope the proposed project is something that can be added to the facility's budget. As Dave noted, to do so DEP needs an engineering proposal from the firm that would complete the work, the cost of the completing the scope, and the timeframe for when it would be complete. As noted, the timing is key because DEP's contract to cover this kind of capital replacement calls for annual budgets by quarter and we want to include a placeholder for any proposed work.

Please feel free to reach out if there are any questions.

Best.

**Michael J. Meyer | Section Chief | NYC Environmental Protection
Bureau of Water Supply, Watershed Lands & Community Planning
(O) 845 340-7267 | (C) 917 618-0812 | mmeyer@dep.nyc.gov**

From: Franzetti, Richard

Sent: Wednesday, May 19, 2021 9:48 AM

To: Warne, David ; Schmitt, Kenneth

Cc: Pasquerello, Anne ; Meyer, Michael

Subject: 05-19-20210 CSD2 Microfiltration Module Replacement

David

I finally heard back from the folks at Pall. Attached is the final report.

As for budgeting the preliminary engineering I spoke with two (2) engineering firms and they estimated the costs between \$35,000 to \$40,000. Can this still be added to the O&M budget and what are the steps to have it included. As for timeframe I will need to develop a request for proposal for this work to sent to professional engineering firms. That will take at least 45 – 60 days (as I will need to present request to the Town Board. The turn around time for the preliminary design will take at least a few months.

Hope all is well otherwise.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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error, please notify the sender by reply e-mail and delete the message and any attached documents.

From: Franzetti, Richard

Sent: Thursday, April 1, 2021 8:45 AM

To: 'Warne, David' <DWarne@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>

Cc: Pasquerello, Anne <amp2@ci.carmel.ny.us>; Meyer, Michael <MeyerM@dep.nyc.gov>

Subject: 04-01-2021 CSD2 Microfiltration Module Replacement

David

Thanks for providing this information, and understood that any additional information is in storage. As you wrote and as we discussed yesterday I will reach out to Pall to see if they can provide the additional sections of the report.

I will forward you any additional information once I hear back from Pall.

Thanks for all your help. Have a great weekend and stay safe.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

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From: Warne, David

Sent: Wednesday, March 31, 2021 4:15 PM

To: Franzetti, Richard ; Schmitt, Kenneth

Cc: Pasquerello, Anne ; Meyer, Michael

Subject: RE: 03-31-2021 RE: 03-04-2021 : CSD2 Microfiltration Module Replacement

Rich,

At this point we have provided all the material we have access to. It is possible we have more in deep storage, but we're not likely to be able to access that soon. The study agreement was between the Town and Pall, not DEP (reattached here). Have you tried to contact Pall and ask them to (re)send you a copy of the report?

David S. Warne | Assistant Commissioner | NYC Environmental Protection

Bureau of Water Supply

(O) 845-340-7802 | (M) 347-628-1851 | dwarne@dep.nyc.gov

From: Franzetti, Richard <rjf@ci.carmel.ny.us>

Sent: Wednesday, March 31, 2021 2:50 PM

To: Warne, David <DWarne@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>

Cc: Pasquerello, Anne <amp2@ci.carmel.ny.us>; Meyer, Michael <MeyerM@dep.nyc.gov>

Subject: 03-31-2021 RE: 03-04-2021 : CSD2 Microfiltration Module Replacement

David,

Thank you for sharing this information. As an FYI the Town had not received a copy of the August 2015 Pall processing report, so again thanks for sharing.

In a cursory review of the document, Appendix D seems to be missing, can you please provide a copy? Also the plots in the document are hard to read, is there a way they can either be rescanned or hardcopies provided to the Town for us to make a copy?

Once we have this information the Town will be able to better assess previously submitted costs to see if they are still reasonable and, per your suggestions, will then add them to the O&M budget.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Warne, David <DWarne@dep.nyc.gov>

Sent: Friday, March 26, 2021 10:43 AM

To: Franzetti, Richard <rjf@ci.carmel.ny.us>; Schmitt, Kenneth <ks@ci.carmel.ny.us>

Cc: Pasquerello, Anne <amp2@ci.carmel.ny.us>; Meyer, Michael <MeyerM@dep.nyc.gov>

Subject: RE: 03-04-2021 : CSD2 Microfiltration Module Replacement

Rich,

Sorry it has taken a bit of time for me to respond. I am providing some info here, along with some suggested next steps.

As you noted when we spoke, DEP and Carmel have been in agreement that the units need to be replaced with PALL or equivalent (not replaced with similar in-kind units). The PALL study was between the Town and PALL. I've attached the agreement between the Town and PALL and the actual study report.

The next step to advance that effort is with the Town. To move forward, DEP needs to have a proposal for work that we can formally approve. Since Carmel doesn't have a full design/build proposal, DEP previously recommended that the Town add a line to the O&M budget for an engineering proposal that would provide the documents necessary to initiate the design/build proposal. The Town has provided a scope of work that DEP approves as the basis for such a proposal (see attached).

The most recent O&M budget from Carmel was submitted and approved in January 2021 but it did not include any line item for the preliminary engineering work. We can still work to add the line to the budget. To do so, all we need is an engineering proposal from the firm that would complete the work (unless it would be done in house). This would include the cost of the completing the scope (Rich, I think you estimated it would be about \$15-\$20K) and the timeframe for when it would be complete. The timing is key because DEP's contract to cover this kind of capital replacement calls for annual budgets by quarter and we want to include a placeholder for the work at Carmel in the right timeframe.

I've copied Mike Meyer on this email. Rich, if you have any questions on how to proceed please contact Mike.

**David S. Warne | Assistant Commissioner | NYC Environmental Protection
Bureau of Water Supply
(O) 845-340-7802 | (M) 347-628-1851 | dwarne@dep.nyc.gov**

From: Franzetti, Richard <rjf@ci.carmel.ny.us>
Sent: Thursday, March 4, 2021 12:33 PM
To: Warne, David <DWarne@dep.nyc.gov>; Schmitt, Kenneth <ks@ci.carmel.ny.us>
Cc: Pasquerello, Anne <amp2@ci.carmel.ny.us>
Subject: [WARNING: ATTACHMENT(S) MAY CONTAIN MALWARE]03-04-2021 : CSD2 Microfiltration Module Replacement

Dave

Thanks for taking our call this morning. As we discussed attached are the following:

- Quote for the module replacement as CSD 2
- 12-10-2020 inspection report
- 2019 MF annual report
- 2020 MF annual report
- 04-2019 CMF Process update.

Call with any questions and have a great day.

Richard J. Franzetti. P.E, BCEE

Town Engineer

60 McAlpin Avenue

Mahopac, New York 10541

Phone - (845) 628-1500 ext 181

Fax – (845) 628-7085

Cell – (914) 843-4704

rjf@ci.carmel.ny.us

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From: Grippo, Arthur <arthur.grippo@inframark.com>
Sent: Tuesday, March 2, 2021 2:57 PM
To: Franzetti, Richard <rjf@ci.carmel.ny.us>
Cc: Batz, Michael <michael.batz@inframark.com>; Boyd, Diane <Diane.Boyd@inframark.com>; Harris, Carrie <Carrie.Harris@inframark.com>
Subject: CSD2 Microfiltration Module Replacement

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Richard

Please see the attached quote from DuPont.

This quote reflects all parts associated with the modules as well as installation/labor.

Sent From My iPhone

From: [Franzetti, Richard](#)
To: [Franzetti, Richard](#)
Cc: [Esteves, Donna](#)
Subject: 05-24-2021 - CSD 2 - Request for Proposal
Date: Monday, May 24, 2021 4:08:46 PM
Attachments: [Scope of Work.pdf](#)
[Pall Final Pilot Report - Carmel WTP, NY v1.0.pdf](#)
Importance: High

Good afternoon

The Town of Carmel is hereby soliciting sealed proposals from qualified Engineering firms licensed to practice in the State of New York to provide a cost to complete the scope, and the timeframe for when it will be completed.

This is to replace the existing Evoqua/Siemens units with a Pall unit. The Pall unit was a pilot study (final report is attached) performed by the NYCDEP to assist the Town in replacing the failing units. The scope was developed as part of the NYCDEP watershed upgrades.

Proposals must be submitted to the Office of the Town Engineer no later than **2:00 PM on Tuesday June 1, 2021**. Proposals must be in a sealed envelope and marked as follows:

“ ATTENTION: Richard Franzetti PE Town Engineer - “Proposal for Carmel Sewer District 2 - R2021-006”

If you have any questions regarding this RFP, please contact the Town of Carmel Engineering Department at 845-628-1500.

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
Cell – (914) 843-4704
rjf@ci.carmel.ny.us

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TOWN OF CARMEL
SEWER DISTRICT NO. 2 MICROFILTRATION REPLACEMENT
SCOPE OF WORK

1. Evaluate/Assess Existing

1.1 Building

- a. Floor Plan
- b. Elevations
 - b.1 Interior
 - b.2 Exterior
 - b.3 Access/Clearance
- c. Power
 - c.1 Existing
 - c.2 Required
- d. HVAC
- e. Piping
 - e.1 Sand Filter Effluent/CMF Influent (Pumps)
 - e.2 CMF Effluent
 - e.3 Primary Backwash (Interior)
 - e.4 CMF Strainer Backwash → Gravity Thickener
 - e.5 Floor Drain → Gravity Thickener
- f. Process Air and Compressor Equipment
- g. Clean-in-Place and Spent CIP

1.2 Pall Layout vs. Siemens

- a. FDN Conditions/Dead Loads
- b. Piping Layout
- c. Wet well
- d. Building Access for Equipment
- e. Building Adequacy

1.3 Maintenance of Plant Operations (MOPO)

- a. Temporary Skid Mounts while System Down
 - a.1 Duration: Pre-Demolition thru Start-up and Testing

1.4 Sizing

- a. Pall Study from 2014

TOWN OF CARMEL
WATER DISTRICT NO. 2 MICROFILTRATION REPLACEMENT
SCOPE OF WORK

- b. Flux Rates
 - c. Redundancy of Units
 - d. Sand Filter Pumps
 - e. Primary/Secondary Feed Wells
 - e.1 Integral to Units or Separate
- 1.5 Stand-By-Power
- a. Start-up
 - b. Impact on Generator
 - c. Potential Impacts to Other Unit Processes (Backwash)
 - d. Chemical Usage/Chemical Consumption (Existing, Proposed)
- 2. Preliminary Sizing**
- a. Pall Units
 - b. Other Unit Processes
 - c. Process Flow Diagram
 - d. Schematic Layout
- 3. Cost Estimate**
- 4. Report (10 State Standard)**
- a. Background
 - b. Existing (1.1-1.5)
 - c. Proposed (2.0)
 - d. Cost Estimate
 - e. Schedule



Hazen and Sawyer
1 North Lexington, Suite 1525
White Plains, NY 10601 • 914-269-0255

June 1, 2021

Richard J. Franzetti, PE
Town Engineer
Town of Carmel
60 McAlpin Avenue
Mahopac, New York 10541

Re: Proposal for Carmel Sewer District 2- R2021-006

Dear Mr. Franzetti:

Thank you for inviting us to propose on the initial phase of work for the replacement of the existing microfiltration units. The Hazen team, supplemented by J. Robert Folchetti & Associates, is well qualified to provide the necessary high-level evaluation to develop a budgetary cost for the microfiltration replacement work. Our understanding of the deliverable is a letter report, as outlined in the Scope of Work issued by the Town.

We have assembled a highly qualified team that can execute the required support services in a timely and cost-effective manner. It will be led by Stephen Cluff (Project Manager) and supported by Eric Segal (Membrane Technology Expert) and Michal Beczek (Project Engineer), resumes attached.

Below is an outline of our project understanding and scope of work for this assignment:

A. Site Visit/Data Gathering

One site visit will be made by a minimum of three staff (process mechanical, electrical, architectural/structural). During the visit, we will assess the condition of the compressors, CMF influent pumps, CMF effluent, primary backwash, CMF strainer, floor drains, CIP equipment, and interconnecting piping. In addition, the microfiltration building superstructure, HVAC, and power system will be assessed with respect to supporting the microfiltration replacement. *It is assumed that the Town will provide an electronic scanned copy of the original Final Upgrade Plan (FUP), a set of the bid specifications and drawings along with as-builts (if any), and the O&M Manual prior to the site visit.* The assessment will be a focused visual inspection of areas accessible from the operating floor level but not include any testing or disassembly of any equipment. Our team will interview plant operations staff who have knowledge of the WWTP - specifically in the areas of asset maintenance, repair, replacement, and operations - to understand the reliability, operability, and maintenance concerns.

B. Documentation Review and Comparison Pall vs Siemens

Once all the available documentation has been reviewed, Hazen will evaluate what would be required to install a new Pall microfiltration system within the existing building. This summary evaluation will include operating loads, piping, and the capacity of the building, electrical system, and other wastewater infrastructure necessary to support the microfiltration replacement.

C. Maintenance of Plant Operations

We will assess plant operation impacts and develop a conceptual outline to maintain the existing microfiltration treatment during construction, which will likely include the use of trailer-mounted microfiltration treatment skid units.

D. Preliminary Pall Sizing/Layout

We will develop an initial unit sizing for the Pall membranes (flux rate, redundancy, footprint), which will include impacts to other unit processes (feed pumps, backwash, CIP). The capacity of the commercial and generator power to support the unit sizing will also be reviewed, and the concept to replace the microfiltration system will be annotated on either existing drawing backgrounds or through sketches/photographs.

E. Letter Report and Cost Estimate

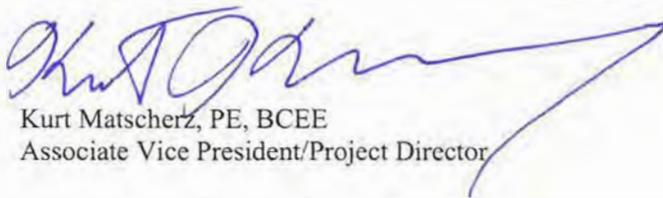
Based on our analyses and findings, a letter report will be submitted to the Town for budgetary and conceptual planning purposes only, as ultimately a separate detailed design will need to be undertaken to prepare drawings and specifications for the replacement. The memorandum will include the following:

- o Background
- o General condition of the equipment
- o Proposed Pall membrane criteria/sizing
- o Discussion of modifications for replacement with Pall membranes
- o Association for the Advancement of Cost Engineering Class 5 construction cost estimate
- o Schedule

Hazen will begin work on the project immediately upon notification from the Town. We will schedule the site visit within one week of receipt of the existing documents, and anticipate completing this assignment in fewer than 6 weeks from the site visit. Our proposed lump sum cost is \$35,000.

We are enthusiastic about the prospect of working with the Town of Carmel on this important project.

Sincerely,



Kurt Matscherz, PE, BCEE
Associate Vice President/Project Director



Stephen Cluff, PE, LEED AP

Senior Associate

Mr. Cluff serves as Hazen's Northeast membrane Lead. He has 25 years of experience leading design and construction efforts for a variety of wastewater treatment plant technologies and upgrades, including solutions to wastewater process, operations, and maintenance problems.

Education

MS, Biomedical Engineering,
State University of New York,
2001

BS, Bioresource /
Bioenvironmental Engineering,
Rutgers College of Engineering,
1996

Certifications/Licenses

Professional Engineer: NY, NJ, ME,
MA

LEED Accredited Professional
(AP)

Instrument Commercial Pilot

Areas of Expertise

- Wastewater facility planning, evaluation and detailed design
- Wastewater operations and maintenance support
- Wastewater construction management and inspection

Experience

- 25 total years
- 7 years with Hazen

Professional Activities

Water Environment Association

Mt. Ebo Wastewater Treatment Plant Facility Evaluation, American Water, Brewster, NY

Task Manager for the process evaluation of all mechanical equipment for the existing rotating biological contactor treatment process at the Mt. Ebo Wastewater Treatment Plant (WWTP). Work includes preparation of an engineering report and cost estimate for the recommended membrane bioreactor process replacement.

MBR WWTP Upgrade, Town of Riverhead, NY

Design Manager, Lead Process Mechanical for new 1.6-mgd hollow tube MBR system; band screen/compactor headworks; influent pump station; equalization basin/diffuser/blowers; open vessel UV disinfection; and site potable and reuse water distribution through side stream closed vessel UV disinfection system. Separated pumps in series discharge reuse water through a directionally drilled force main underneath and to a golf course irrigation system.

Newtown Creek Wastewater Resource Recovery Facility, New York City Department of Environmental Protection, Brooklyn, NY

Provided fast track design and preparation of contract documents for the mechanical process/instrumentation and control of a full scale two meter gravity belt thickener system 12-month pilot as part of an alternative sludge thickening feasibility study.

Onsite Wastewater Treatment Systems, Center for Cleanwater Technology, Stony Brook, NY

Project Manager for developing the comprehensive Wastewater Onsite Technology Assessment Report. Led Hazen's efforts with assistance in the selection, detailed design, and construction of the first five nutrient removal biofilters installed in Suffolk County as part of the Innovative/Alternative Pilot Program.



Eric Segal, PE

Associate

Mr. Segal has 19 years of water and wastewater experience. In addition to extensive process-mechanical experience, he has led engineering teams in the development of membrane products and project execution.

Education

BS, Mechanical Engineering,
Tulane University, 2000

Certification/License

Professional Engineer: MA, NH,
CT

Areas of Expertise

- Process control
- Membrane treatment (microfiltration, ultrafiltration, reverse osmosis)
- Membrane bioreactor
- Process optimization and plant support
- Hydraulic analysis and design
- Rotating equipment specification and selection

Experience

- 19 total years
- 2 years with Hazen

Professional Activities

American Water Works
Association

New England Water Works
Association

- Filtration Committee

Orchard Street Water Treatment Plant, City of White Plains, NY

Process/Mechanical Lead Engineer. Supported the process and mechanical design of a new water treatment plant (WTP) to treat nearby reservoir and well water. The plant treatment train includes two-stage flocculation, DAF, sand filtration, and GAC to address PFAS contaminants and UV disinfection. The existing pump station will be retrofitted to accommodate the new treatment plant located at the same site.

Experience Prior to Hazen

Development and Implementation of Novel Forward Osmosis Technology, City of Boston, MA

Director, Project Engineering. Led technology implementation and design of a novel forward osmosis membrane water treatment technology from piloting through full-scale implementation.

Product Development and Engineering of MBR and Novel Anaerobic Digester Technology, City of Boston, MA

Director, Engineering. Led product development, engineering, and project execution for a novel anaerobic water treatment technology and development and engineering of an MBR product line.

Orange County Groundwater Replenishment System, Fountain Valley, CA

Ultrafiltration Process Engineer. Performed hydraulic calculations, sized new piping, and conducted process and hydraulic evaluations of the existing piping and equipment to confirm suitability for the ultrafiltration system expansion to 131-mgd.

Forest Park WTP, Borough of Chalfont, PA

Ultrafiltration Lead Engineer. Performed hydraulic calculations and selected pumps, compressors, blowers, tanks, and other equipment associated with the ultrafiltration portion of the project. Construction was staged to keep the plant operational during the retrofit.



Michal Beczek, EIT, CDT

Assistant Engineer

Mr. Beczek is a mechanical process engineer who specializes in the design of both wastewater and water treatment projects.

Education

BS, Chemical Engineering, Penn State College of Engineering, 2018

Certifications/Licenses

Engineer-in-Training (EIT)

Construction Document Technologist (CDT)

Areas of Expertise

- Wastewater treatment plants
- Pumping stations
- AFT Fathom Hydraulic Analysis software

Experience

- 4 total years
- 3 years with Hazen

Professional Activities

New York Water Environment Association

Water Environment Federation

TI-168 Headworks Improvements, New York City Department of Design and Construction, Queens, NY

Assistant Engineer. The City has contracted with Hazen for the planning and design of construction Contract TI-168 to rehabilitate and upgrade the headworks of the Tallman Island Wastewater Resource Recovery Facility (WRRF) that is owned, operated, and maintained by the City's Bureau of Wastewater Treatment (BWT). The headworks facility is currently operational, but rehabilitation and upgrades to the structure, roof, and mechanical, electrical, HVAC, and controls equipment are planned to ensure long-term reliability.

Shelter Island Wastewater Effluent Reuse Study, Town of Shelter Island/Shelter Island Height Property Owner's Cooperation, NY

Assistant Engineer. The Shelter Island Heights Property Owner's Corporation (SIHPOC) and Town of Shelter Island commissioned a wastewater engineering report to redirect the 53,000-gpd SIHPOC Sewage Treatment Plant wastewater effluent from the current Shelter Island Sound permitted outfall discharge. The redirected effluent would be treated and reused for golf course irrigation, or for direct discharge to recharge the aquifer.

PS-DES-2, New York City Department of Environmental Protection, New York, NY

Led the multi-disciplinary design on the new 20-mgd Conner Street Pumping Station, which is part of the PS-DES-2 project. The project consists of the rehabilitation of three of the City's wastewater and stormwater pumping stations and force mains to provide reliable and efficient pumping operations to BWT's collection system. Also performed the hydraulic analysis of all three pumping stations under this contract.

Rye Lake Pumping Station Upgrade Report, Westchester Joint Water Works, Mamaroneck, NY

Assistant Engineer. This report evaluated the hydraulic criteria and required modifications to the existing Rye Lake Pumping Station for reliable and efficient pumping to the new Rye Lake filter facility. The existing pumping station will be upgraded to a 30 MGD firm capacity, increased from the current 20 MGD capacity.

Richard J. Franzetti, PE, BCEE
Town Engineer
Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Arcadis of New York, Inc.
44 South Broadway
9th Floor
White Plains
New York 10601
Phone: 914 694 2100
Fax: 914 328 3384
www.arcadis.com

Date: June 1, 2021
Subject: Town of Carmel Sewer District No. 2 - Microfiltration Replacement
Ref: 05-24-2021 - CSD 2 - Request for Proposal (RFP)

Dear Mr. Franzetti,

This letter is in response to the Town of Carmel's Request for Proposals (RFP) to retain a professional engineering firm to provide a report and cost estimate for the proposed modifications required to replace the existing failing microfiltration units for the Sewer District No. 2 Wastewater Treatment Station.

Arcadis understands that the Town is seeking to replace the existing Evoqua/Siemens units with a Pall microfiltration unit and that a study has been previously performed by the NYCDEP to replace the failing units. The RFP scope was developed as part of the New York City Department of Environmental Protection (NYCDEP) watershed upgrades.

Background & Experience

Arcadis has extensive experience with the NYCDEP Watershed Upgrade Program. Specifically, we have provided comprehensive engineering services for the upgrading of four sewage treatment plants to the highest level of treatment feasible. The plants are: Grand Gorge (0.5 mgd), Tannersville (0.8 mgd), Pine Hill (0.5 mgd), and Chichester (0.06 mgd).

A major goal of the upgrading of these four plants was to set an example for other treatment plant upgrades to follow under the City's watershed agreement in which, through partnership programs, upstate communities are embarking on a series of system improvements. In keeping with the project goal, the NYCDEP initially committed more than \$80 million to constructing the four plants. As new technologies emerged and became accepted during construction of the model plants, the NYSDEC committed an additional \$12 million to incorporate new technologies, such as microfiltration and ultraviolet disinfection, into the process.

Arcadis' services included facility planning, nutrient removal pilot studies, preliminary engineering, final design, cost estimates, construction phase services, and environmental review. We began by performing a detailed investigation of the four plants (physical condition, plant layout, present methods of sludge treatment, handling, and disposal) and a review of the plants' design, operations, performance, flows, and influent and effluent characteristics. To meet interim discharge requirements during the design and construction phases, Arcadis undertook repairs and installed temporary facilities to maintain operations. This experience would provide a strong basis for the work that the Town is requesting in this RFP.

Richard Franzetti
Town of Carmel
June 1, 2021

Arcadis also performed City and State environmental quality review, completed permit applications, and assisted with the public participation program. Construction administration services consisted of assistance during bidding and contract award, shop drawing review, and resident construction inspection.

In addition, Arcadis performed pilot testing for microfiltration in response to United States Environmental Protection Agency (USEPA) concerns. Based on the pilot test results, Arcadis custom-designed a microfiltration system for the aforementioned treatment plants. The microfiltration system at each of the plants consists of microfiltration skids containing microfiltration "cartridges" manifolded together to meet the flow throughput, wastewater effluent quality and standby unit requirements. Each microfiltration skid can process as little as 30,000 gallons per day or as much as 750,000 gallons per day, based on conservative flux rate estimates. The design included the use of level- and pressure-sensing instrumentation as well as centrifugal wastewater pumps with variable-frequency drives to control the flow rate to the common microfiltration header at each plant. Control valves on the discharge piping from each microfiltration unit vary position to control pressure differential across the microfiltration fibers. Microfiltration backwashing is accomplished automatically based on excessive pressure differential. The backwashing process is a simultaneous air/water "sweep" with air injected from the inside of the microfiltration fibers outward. Wastewater entering the skid serves to sweep the particles purged from the pores of the fibers by the air. Backwash is recirculated to the head of the plant. The plants currently produce effluent that has measured turbidity levels of less than 0.1 ntu. The backwash volume is approximated 8 percent of influent flow.

As a result of this experience with these NYCDEP Watershed Facilities, Arcadis is well qualified to provide the services required by the Town of Carmel.

Proposed Scope & Fee

Arcadis is interested in performing the proposed scope of services for the Town of Carmel. As requested, Arcadis would review and evaluate the building, equipment, piping, and ancillary building facilities; assess layout alternatives; provide preliminary sizing of the Pall Microfiltration Units; develop a schematic/layout and process flow diagram; and prepare a conceptual cost estimate and schedule. The results of these analyses will be compiled into a draft report and upon receipt of the Town's comments the draft report will be finalized.

Unfortunately, given the short timeframe due to the extended holiday weekend and our current workload on other projects, we are unable develop a comprehensive scope and fee proposal at this time. However, based on our knowledge and understanding of design and installation of microfiltration systems and the aforementioned NYCDEP watershed sewage treatment plants, Arcadis believes that we can provide the attached Scope of Services provided with the RFP at a cost ranging from \$95,000 to \$135,000.

Richard Franzetti
Town of Carmel
June 1, 2021

Should you have any questions or be able to provide additional time, please do not hesitate to contact us at your convenience.

Thank you for this opportunity to respond to this Request for Proposals.

Sincerely,
Arcadis of New York, Inc.



Paul Daniele, CPM
Associate Vice President

Email: paul.daniele@arcadis.com
Direct Line: 914-641-2465
Mobile: 914-316-0296

CC. Robert Schneider, Arcadis

This proposal and its contents shall not be duplicated, used or disclosed — in whole or in part — for any purpose other than to evaluate the proposal. This proposal is not intended to be binding or form the terms of a contract. The scope and price of this proposal will be superseded by the contract. If this proposal is accepted and a contract is awarded to Arcadis as a result of — or in connection with — the submission of this proposal, Arcadis and/or the client shall have the right to make appropriate revisions of its terms, including scope and price, for purposes of the contract. Further, client shall have the right to duplicate, use or disclose the data contained in this proposal only to the extent provided in the resulting contract.

TOWN OF CARMEL
SEWER DISTRICT NO. 2 MICROFILTRATION REPLACEMENT
SCOPE OF WORK

1. Evaluate/Assess Existing

1.1 Building

- a. Floor Plan
- b. Elevations
 - b.1 Interior
 - b.2 Exterior
 - b.3 Access/Clearance
- c. Power
 - c.1 Existing
 - c.2 Required
- d. HVAC
- e. Piping
 - e.1 Sand Filter Effluent/CMF Influent (Pumps)
 - e.2 CMF Effluent
 - e.3 Primary Backwash (Interior)
 - e.4 CMF Strainer Backwash → Gravity Thickener
 - e.5 Floor Drain → Gravity Thickener
- f. Process Air and Compressor Equipment
- g. Clean-in-Place and Spent CIP

1.2 Pall Layout vs. Siemens

- a. FDN Conditions/Dead Loads
- b. Piping Layout
- c. Wet well
- d. Building Access for Equipment
- e. Building Adequacy

1.3 Maintenance of Plant Operations (MOPO)

- a. Temporary Skid Mounts while System Down
 - a.1 Duration: Pre-Demolition thru Start-up and Testing

1.4 Sizing

- a. Pall Study from 2014

Richard J. Franzetti, P.E.
Town Engineer



(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: May 25, 2021

Re: Emergency Repairs/Services

This memorandum is being presented to the Town Board to advise the Board of emergency invoices that were submitted for payment in excess of \$10,000.00 for services rendered. The following provides a brief a summary of the work that was performed.

- CSD 4 ~ Sand Filter Backwash Pumps

On April 30, 2021 Inframark the operator for the CSD 4 alerted the Engineering Department that both sand filter submersible backwash pumps in the microfiltration building are not operational.

In order to remove the pumps the existing sand and sludge in the back wash pit needed to be removed (vacuumed out).

This work was deemed an emergency as these pumps backwash the sand filters and are part of the wastewater treatment process and if not functioning could cause a potential compliance issue which would cause the Town of Carmel to be in violation of our State Pollution Discharge Elimination System (SPDES) Permit. As such the Engineering Department authorized the quote for TAM to remove the sand/sludge in the amount of \$10,633.25.

Currently there are insufficient funds in the 2021 operating budget. However, we are expecting revenue from the DEP once the micro filtration reconciliation is complete, which will help to encumber the cost of this repair.

We request that this memorandum be put into the agenda as a matter of record.

114 Hartley Road
Goshen, NY 10924



P: (845) 294-8882
F: (845) 294-8883

Bill To

Town of Carmel
60 McAlpin Avenue
Mahopac, NY 10541

Invoice

Date: 5/12/2021
Invoice #: 61454

P.O. # 28092

Terms Net 30

Qty	Description	Rate	Amount
	Date of Service: 05/03/21 & 05/10/21 - Sewer District #4		
	Vac Truck w/ Operator & (2) Laborers and extra hose to: - Vac out all sand and sludge from back wash pit.		
2	For the sum of:	4,660.00	9,320.00
5.15	Disposal @ \$255.00/ton	255.00	1,313.25

All invoices paid by credit card will incur a 3.5% transaction fee.
A service charge of 1.5%, 18% APR, will be added to all overdue accounts.
Accounts are considered overdue on the 31st day past the invoice date.
You will also be liable for all legal and collection fees.

Total \$10,633.25
Payments/Credits \$0.00
Balance Due \$10,633.25

24 Hour Emergency Service - Certified Backflow Prevention Technician - Hydro Vacuum Excavation
Pump Station Installation & Maintenance - High Pressure Water Jetting - Video Inspection of Underground Lines
Installation of Water & Sewer Lines - Clearing of Catch Basins - Man-Hole Rehabs - Sewer & Water Plant Rehabs
Confined Space Entry - Pipe Lining Services - Soil Remediation Services - Pipe Location Services
Industrial Tank Pumping - Excavation Services - Emergency Sewer By-Pass Pumping - Emergency Utility Services



Richard J. Franzetti, P.E.
Town Engineer

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Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: 05-19-2021

Re: CSD 2 Grit Classifier Purchase and Install

Inframark, the operators of Carmel Sewer District 2 (CSD 2) has advised the Engineering Department that the grit classifier at the headworks of the wastewater treatment plant clarifier need to be replaced.

Inframark requested pricing to replace this unit and the pricing for this project will exceed the GML threshold of \$35,000.00.

The Engineering Department requests authorization for this project to go out for public bid.

As an FYI - Classifiers or also known as a grit screw, grit separator or grit classifier are used at wastewater plants at the headworks (front end of the plant) to help separate the grit from organics and water. Grit removal needs to be done at the headworks of plants to help reduce wear to upstream pumps and mechanical equipment



Richard J. Franzetti, P.E.
Town Engineer

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(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: 05-19-2021

Re: CSD 2 Bar Screen Purchase and Install

Inframark, the operators of Carmel Sewer District 2 (CSD 2) has advised the Engineering Department that bar screen mechanism at the headworks of the wastewater treatment plant clarifier need to be replaced.

Currently the existing screen uses brushes which are replaced every 12 months, in addition the track that houses the brushes does not keep the brushes in place.

Inframark has recommended that the replacement unit be a brushless type system. The pricing to replace this unit and the pricing for this project will exceed the GML threshold of \$35,000.00.

The Engineering Department requests authorization for this project to go out for public bid.

Richard J. Franzetti, P.E.
Town Engineer



(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: May 25, 2021

Re: C279 – Sidewalk Replacement- Carmel Hamlet – Request to Bid

The Supervisor's office received a complaint relative to the deteriorated condition of some of the sidewalks in the Carmel Hamlet. In response to this complaint, this Department conducted a joint inspection with Supervisor Schmitt and it was determined that there are sidewalk panels that are significantly deteriorated. This condition of sidewalk poses a safety concern for the pedestrian traffic in the area.

The scope of work would include replacement of approximately 1,500 square feet of sidewalk along with necessary demolition of the existing sections.

Based upon our most recent bid numbers for sidewalk replacement on the CSD#1 South Extension, we estimate this work to be between \$50,000.00 and \$75,000.00.

Based upon the above, we respectfully request authority to put this project out to bid and pursue necessary permits from the NYSDOT.



Richard J. Franzetti, P.E.
Town Engineer

(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: May 27, 2021

Re: C 272- Chemical Supply to various water and sewer districts

Bids were received for the referenced supply contract on Monday, May 10, 2021. The Bids were opened by the Town Clerk. A copy of the bid opening results is attached. The scope of work involves chemical supply to various Town of Carmel water and sewer districts.

Four (4) bids were tabulated as identified on the attached spread sheet. Based on the results the following recommendations are made:

The bulk of the award should be made to Surpass, with the exception of the following items:

- #7- Sulfuric Acid - CSD#2,
- #7 Sulfuric Acid – CSD#4 and
- #3 Diatomaceous earth- CWD#2.

The total annual award to Surpass would therefore be \$63,426.93 (this is an estimate only; actual consumption will vary).

For items #7- Sulfuric Acid- CSD#2, #7 Sulfuric Acid –CSD#4, the contract should be awarded to Coyne at the quoted prices for these items. We note that Coyne is slightly higher than Slack for item # 7 Sulfuric Acid –CSD#4 (\$48.07). We consider this amount to be de minimis and are offset by the administrative efficiency of dealing with one less contractor. The total annual award to Coyne would therefore be \$9,265.03 (this is an estimate only; actual consumption will vary).

Two (2) of the contractors bid on Diatomaceous Earth-CWD#2. The low bidder is Brenntag Northeast. Based upon the pricing, we recommend that the total annual award be to Brenntag at the annual price of \$52,975.00 (this is an estimate only, actual consumption will vary).

Chemicals for the Districts are included as part of the annual budget and based on this Departments assessment, there are sufficient funds for this service.

I respectfully request that this matter be placed on the next available work session for discussion.

Engineering Bid C-272 – Chemical & Diatomaceous Earth Supply

Bid Opening May 10, 2021 @ 11:00 AM

	Company Name	<u>Address</u>	NCBS	Bid Bond/ Check	Receipt of Addendum Acknowledged
1.	George S Coyne Chemical Co.	3015 State Road Croydon, PA 19021	✓	✓	✓
2.	Slack Chemical Co	465 S. Clinton Street Carthage, NY 13619	✓	8 Checks	#1 Ack.
3.	Brenntag Northeast LLC	21 W. Huller Lane Reading, PA 19605	✓	✓	✓
4.	Surpass Chemical Co. Inc	1254 Broadway Albany, NY 12204	✓	Check	✓
5.					
6.					
7.					
8.					
9.					
10.	"				

CSD #2 WWTP at Old Route 6, Carmel (Carmel Hamlet)

Material	Estimated quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item # 5 Caustic Soda 25%	2,300 gallons Unit Price Bid	—	2.09	—	1.338	
	Price X Estimated Quantity	—	4,807.00	—	3,077.40	
Item #4 Caustic Soda 50%	2,700 gallons Unit Price Bid	—	3.49	—	3.162	
	Price X Estimated Quantity	—	9,423.00	—	8,537.40	
Item #7 Sulfuric Acid 50%	1,600 gallons Unit Price Bid	5.5191	6.44	—	—	
	Price X Estimated quantity	8,830.56	10,304.00	—	—	
Item #8 Citric Acid	50 gallons Unit Price Bid	6.0788	7.98	—	5.648	
	Price X Estimated quantity	303.94	399.00	—	282.40	

CSD #4 WWTP at North Road, Mahopac (Lake Secor Sewer District)

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item #7 Sulfuric Acid 50%	60 gallons Unit Price Bid	7.2412	6.44	—	—	
	Price X Estimated quantity	434.47	386.40	—	—	
Item #4 Caustic Soda 50%	275 gallons Unit Price Bid	—	3.49	—	3.162	
	Price X Estimated quantity	—	959.75	—	869.55	
Item # 8 Citric Acid 50%	75 gallons Unit Price Bid	6.9576	7.98	—	5.648	
	Price X Estimated quantity	521.82	598.50	—	423.60	

CSD #5 WWTP at Carey St, Mahopac (Hillsdale Sewer District)

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item # 2 Chlorine	600 gallons Unit Price Bid	6.2826	3.64	—	2.458	
	Price X Estimated quantity	3,769.56	2,184.00	—	1,474.80	

CSD #6 WWTP at Vineland Road, Mahopac (Ivy Hills Sewer District)

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item # 2 Chlorine	250 gallons Unit Price Bid	11.4800	3.64	—	2.458	
	Price X Estimated quantity	2,870.00	910.00	—	614.50	

CSD #7 WWTP at Dahlia Drive, Mahopac (Buckshollow Sewer District)

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item # 6 Aluminum chlorohydrate	750 gallons Unit Price Bid	6.8625	8.49	—	4.358	
	Price X Estimated quantity	5,146.88	6,367.50	—	3,268.50	
Item 2 Chlorine	30 gallons Unit Price Bid	13.7752	2.79	—	4.598	
	Price X Estimated quantity	413.26	83.70	—	137.94	
Item # 8 Citric Acid (50%)	35 gallons Unit Price Bid	24.1918	8.42	—	6.148	
	Price X Estimated quantity	846.71	294.70	—	215.18	

CWD#2 WTP at 1744 Route 6, Carmel, New York (Carmel Hamlet)

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item # 1 Phosphoric acid	3,000 gallons Unit Price Bid	11.1570	10.99	—	7.616	
	Price X Estimated quantity	33,471.00	32,970.00	—	22,848.00	
Item # 2 Chlorine	8,500 gallons Unit Price Bid	1.9952	1.789	—	1.488	
	Price X Estimated quantity	16,959.20	15,206.50	—	12,648.00	
Item # 3 Diatomaceous earth	65,000 pounds Unit Price Bid	—	.895	.815	—	
	Price X Estimated quantity	—	58,175.00	52,975.00	—	

CWD#3 WTP - 105 Spring Road, Mahopac, New York

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item#2 Chlorine	600 gallons Unit Price Bid	9.0183	3.64	—	2.458	
	Price X Estimated quantity	5,410.98	2,184.00	—	1,474.80	

CWD#8 WTP - 71 Heather Drive, Mahopac, New York

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item #2 Chlorine	1,800 gallons Unit Price Bid	2.9167	1.894	—	2.488	
	Price X Estimated quantity	5,250.06	3,409.20	—	4,478.40	
Item #2 Chlorine in gallon containers	460 gallons Unit Price Bid	—	5.39	—	3.375	
	Price X Estimated quantity	—	2,479.40	—	1,552.50	

CWD#12 WTP- 77 Jennifer Lane, Mahopac, New York

Material	Estimated Quantity	Bidder #1	Bidder #2	Bidder #3	Bidder #4	Bidder #5
Item #2 Chlorine	620 gallons Unit Price Bid	9.0183	3.64	—	2.458	
	Price X Estimated quantity	5,591.35	2,256.80	—	1,523.96	

C272 Chemical Supply ~ Bid Analysis

District	Item #	MOD	Chemical	Coyne		Brenntag Northeast		Slack		Surpass	
				Unit Cost	Ext Cost	Unit Cost	Ext Cost	Unit Cost	Ext Cost	Unit Cost	Ext Cost
csd2	#5	gallons	caustic soda 25%	-	-	-	-	2.090	4,807.00	1.3380	3,077.40
csd2	#4	gallons	caustic soda 50%	-	-	-	-	3.490	9,423.00	3.1620	8,537.40
csd2	#7	gallons	sulfuric acid	5.5191	8,830.56	-	-	6.440	10,304.00	-	-
csd2	#8	gallons	citric acid	6.0788	303.94	-	-	7.980	399.00	5.6480	282.40
csd4	#7	gallons	sulfuric acid	7.2412	434.47	-	-	6.440	386.40	-	-
csd4	#4	gallons	caustic soda 50%	-	-	-	-	3.490	959.75	3.1620	869.55
csd4	#8	gallons	citric acid	6.9576	521.82	-	-	7.980	598.50	5.6480	423.60
csd5	#2	gallons	chlorine (carboys ~ summer)	6.2826	3,769.56	-	-	3.640	2,184.00	2.4580	1,474.80
csd6	#2	gallons	chlorine (carboys ~ summer)	11.4800	2,870.00	-	-	3.640	910.00	2.4580	614.50
csd7	#6	gallons	aluminum chlorohydrate	6.8625	5,146.88	-	-	8.480	6,367.50	4.3580	3,268.50
csd7	#2	gallons	chlorine	13.7752	413.26	-	-	2.790	83.70	4.5980	137.94
csd7	#8	gallons	citric acid	24.1900	846.71	-	-	8.420	294.70	6.1480	215.18
cwd2	#1	gallons	phosphoric acid	11.1500	33,471.00	-	-	10.990	32,970.00	7.6160	22,848.00
cwd2	#2	gallons	chlorine	1.9952	16,959.20	-	-	1.789	15,206.50	1.4880	12,648.00
cwd2	#3	lbs	diatomaceous earth	-	-	0.8190	52,975.00	0.895	58,175.00	-	-
cwd3	#2	gallons	chlorine	9.0183	5,410.98	-	-	3.640	2,184.00	2.4580	1,474.80
cwd8	#2	gallons	chlorine	2.9167	5,250.06	-	-	1.894	3,409.20	2.4880	4,478.40
cwd8	#2	gallons	chlorine	-	-	-	-	5.390	2,479.40	3.3750	1,552.50
cwd12	#2	gallons	chlorine	9.0183	5,591.35	-	-	3.640	2,256.80	2.4580	1,523.96

63,426.93

Richard J. Franzetti, P.E.
Town Engineer



(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: May 12, 2021

Re: C274- Town Hall Cleaning Services

Bids were received and opened by the Town Clerk for the referenced contract on Monday, May 3, 2021. A copy of the bid opening results is attached. The scope of work involves cleaning services for the Town Hall including the Police Department. Bids were sent to fourteen contractors and four (4) bids were received as identified on the attached spread sheet.

Of the four (4) bidders, both NSI and Hudson Valley failed to provide a bid bond which renders their bids materially defective. As such, these two bids should be rejected as identified in the attached email from Town Counsel.

Based upon our review, we recommend that the contract be awarded to CTE Incorporated, DBA Reliable Cleaning System, the company that we have been in contract with for this work since December of 2017 and have found their performance to be satisfactory. The award would be for 2022, 2023 and 2024 with unilateral option on the part of the Town of Carmel for two (2), one (1) year extensions at the quoted prices for 2025 and 2026. The totals in the attached are based upon five years of performance.

As this work is to begin in 2022, this Department will work with the Comptroller's office on appropriate budgeting going forward.

I respectfully request that this matter be placed on the next available work session for discussion.

TOWN HALL CLEANING SERVICES C-274

Bid Opening: May 3, 2021 @ 11:00 AM

		Bidder #1	Bidder #2	Bidder#3	Bidder #4	Bidder #5
A. Amount Bid Lump Sum For Each Year	2022	41,760.00	38,900.00	56,400.00	33,600.00	
	2023	43,430.00	38,900.00	56,400.00	34,800.00	
	2024	45,160.00	38,900.00	56,400.00	35,900.00	
	2025	46,525.00	40,000.00	56,900.00	36,600.00	
	2026	47,920.00	40,000.00	56,900.00	37,400.00	
	B. Unit Price Stripping and Refinishing Vinyl Floors	2022	0.22	500.00	44,640.00	1000.00
2023		0.22	500.00	44,640.00	1,100.00	
2024		0.22	500.00	44,460.00	1,400.00	
2025		0.22	500.00	44,460.00	1,600.00	
2026		0.24	500.00	44,460.00	1,800.00	
C. Unit Price Shampooing Carpeted Area	2022	0.20	500.00	10,500.00	600.00	
	2023	0.20	500.00	10,500.00	700.00	
	2024	0.20	500.00	10,500.00	900.00	
	2025	0.23	500.00	10,500.00	1,000.00	
	2026	0.24	500.00	10,500.00	1,100.00	

TOWN HALL CLEANING SERVICES C-274

Bid Opening: May 3, 2021 @ 11:00 AM

	<u>Bidder Name</u>	<u>Address</u>	NCBC Attached	Bidder's Qualification Statement	Bond Attached	Receipt of Addendum Acknowledged
#1	CTE Incorporated DBA Reliable Cleaning System	450 Westbury Avenue Carle Place, NY 11514	✓	✓	✓	N/A
#2	NSI Clean Worldwide Inc	70 Maple Drive Middletown, NY 10941	✓	✓	NO	N/A
#3	K + J Cleaning Service	80 Blueberry Drive Brewster, NY 10509	✓	✓	No	N/A
#4	Cleaning Services of Hudson Valley Inc	55 Ramapo Rd Ste 88 Garnerville, NY 10923	✓	✓	✓	N/A
#5						

From: [Gregory Folchetti](#)
To: [Vara, Rob](#)
Cc: [Franzetti, Richard](#); [Esteves, Donna](#)
Subject: Re: 05-03-21 ~ C274 Town Hall Cleaning Bid results
Date: Friday, May 7, 2021 10:21:52 AM

Ok. I read it incorrectly I thought there were at least 2 non compliant bits of the 3. So yes I agreed reject any submission lacking bid bond.

Gregory L. Folchetti
Costello & Folchetti, LLP
1875 Route Six/P.O. Box 1200
Carmel, NY 10512
845-225-1900
845-228-4228 Facsimile
Sent from my iPhone

On May 7, 2021, at 9:06 AM, Vara, Rob wrote:

Larkin,

We have two complaint bids for consideration, there is no need to re bid.

Robert Vara

Engineering Projects Coordinator

Town of Carmel

Carmel Town Hall

60 McAlpin Avenue

Mahopac, New York 10541

Ph. 845-628-1500 ex. 183 Fax:845-628-7085

From: Gregory Folchetti [mailto:GFolchetti@costellofolchetti.com]

Sent: Thursday, May 6, 2021 9:20 PM

To: Vara, Rob

Cc: Franzetti, Richard; Esteves, Donna

Subject: RE: 05-03-21 ~ C274 Town Hall Cleaning Bid results

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

I agree that the failure to submit a bid bond makes any bid defective. Did none of the 3 bidders submit? If so then need to be rejected and re-bid,

Gregory L. Folchetti
Costello & Folchetti, LLP
1875 Route Six
Carmel, NY 10512
845-225-1900
845-228-4228 Fax

WARNING: FRAUD ALERT. There has been an increase in cyber-fraud which targets law firms in attempt to initiate fraudulent wire or other transfer requests. If you receive an email appearing to be

from this office which requests that you wire or otherwise transfer funds to any party, you must first confirm the request and any related instructions via telephone (845-225-1900) prior to initiating any wire or other transfer.

PRIVILEGED/CONFIDENTIAL COMMUNICATION: This e-mail, the information contained herein, and any attachments hereto, may be confidential and legally privileged and is intended only for the use of the individuals or entities shown as the intended recipient above. If you are not the intended recipient, you are hereby notified that any forwarding, dissemination, use, distribution or copying of this e-mail, its contents, and/or its attachments, or the taking of any action in reliance on the contents thereof is strictly prohibited. If you have received this e-mail in error, please notify our office immediately.

From: Vara, Rob

Sent: Thursday, May 6, 2021 1:29 PM

To: Gregory Folchetti

Cc: Franzetti,Richard ; Esteves,Donna

Subject: FW: 05-03-21 ~ C274 Town Hall Cleaning Bid results

Larkin,

We received bids on the cleaning K as indicated in DE's spread sheet. My position is that the failure to submit a bid bond requires that these bids be rejected. Please let me know if you concur.

Robert Vara

Engineering Projects Coordinator

Town of Carmel

Carmel Town Hall

60 McAlpin Avenue

Mahopac, New York 10541

Ph. 845-628-1500 ex. 183 Fax:845-628-7085

From: Esteves,Donna

Sent: Monday, May 3, 2021 1:27 PM

To: Franzetti,Richard; Vara, Rob

Cc: Scavelli,Lori

Subject: 05-03-21 ~ C274 Town Hall Cleaning Bid results

See attached bid results. Please note the (2) bidders that did not include a bid bond which results in Reliable being the lowest bidder.

Thanks,

Donna Esteves

Town of Carmel ~ Engineering Department

60 Mc Alpin Ave

Mahopac, NY 10541

845-628-1500 ext. 184

C274 ~ Town Hall Cleaning Services						
Bid results						
	Year	Reliable		NSI	K & J	Hudson Valley
A. Amount Bid Lump Sum For Each Year	2022	41,760		38,900	56,400	33,600
	2023	43,430		38,900	56,400	34,800
	2024	45,160		38,900	56,400	35,900
	2025	46,525		40,000	56,900	36,600
	2026	47,920		40,000	56,900	37,400
			<u>224,795</u>		<u>196,700</u>	<u>283,000</u>
B. Unit Price Strinning and Refinishing Vinyl Floors	2022	0.22	2,486.00	500	44,640	1,000
	2023	0.22	2,486.00	500	44,640	1,100
	2024	0.22	2,486.00	500	44,460	1,400
	2025	0.22	2,486.00	500	44,460	1,600
	2026	0.24	2,712.00	500	44,460	1,800
			<u>12,656</u>	<u>2,500</u>	<u>222,660</u>	<u>6,900</u>
C. Unit Price Shampooing Carpeted Area	2022	0.20	700.00	500	10,500	600
	2023	0.20	700.00	500	10,500	700
	2024	0.20	700.00	500	10,500	900
	2025	0.23	805.00	500	10,500	1,000
	2026	0.24	840.00	500	10,500	1,000
			<u>3,745</u>	<u>2,500</u>	<u>52,500</u>	<u>4,200</u>
	*** Please note that this contractor submitted floor stripping/finishing and carpet cleaning at a sq. ft unit price. The summary to the right shows the lump sum value of this work when the sq footage is extended by the unit price			*** no bond submitted		*** no bond submitted

Richard J. Franzetti, P.E.
Town Engineer



(845) 628-1500
(845) 628-2087
Fax (845) 628-7085

Office of the Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541

MEMORANDUM

To: Carmel Town Board

From: Richard J. Franzetti P.E. Town Engineer 

Date: June 2, 2021

Re: CSD #2 Microfiltration Feed Pump

Inframark, the operators for Carmel Sewer District # 2 (CSD 2), has advised the Engineering Department (Department) the need for a flocculation drive for the second stage clarifier #1 at CSD 2. The mixer is needed to run the plant efficiently during the winter months. The request is to retrofit a new mixer and variable frequency drive (VFD) on the clarifier. Inframark assessed rebuilding the unit, however due to age it was determined this was not a cost-effective option as the unit may last longer than a year.

Inframark has advised this Department that the flocculation drive is from DBS manufacturing and per the attached letter GMH associates is the sole source supplier for this unit. This Department therefore considers this particular manufacturer to be a sole source. Inframark received the attached quote from GMH Associates in the amount \$12,960.74 to purchase and install the unit.

Inframark has indicated that this equipment is ~ 25 years old and that expected life expectancy of the equipment is ~20 years (as provided in the attached).

We have discussed this matter with the Comptroller There are sufficient funds in the budget for this work.

We therefore request authorization to proceed with this work as outlined.

TOWN OF CARMEL
ENGINEERING
REQUEST FOR PURCHASE OR REPAIR
District: CSD 2

Inframark, LLC
2 Renwick Street
Newburgh, NY 12550
United States

T: +1 845 228 0460
www.inframark.com

Date of Request: 5-28-21

Item requested: We would ask that you recommend to the Town Board to authorize a Resolution for a flocculation drive for the second stage clarifier #1 at CSD 2. This request is to retrofit a new mixer and VFD on the clarifier. We attempted to gather pricing to rebuild, but due to the unit's age it would likely not last longer than a year, according to the manufacturer. Also, please see attached sole source letter.

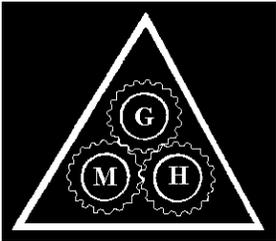
Purpose of item: This mixer is needed to run the plant efficiently during the winter months.

Estimated age of equipment to be replaced / repaired: Original, approx. 25 years

Estimated life expectancy of new equipment / repair: life expectancy is unknown and can be variable; there is a 5-year warranty, but it can last up to 20 years.

Labor cost for installation and/or repair: Included in quote.

Vendor #1:	G.M.H. Associates	Cost: \$12,960.74
Vendor #2:	Sole Source	Cost:
Vendor #3:		Cost:



G.M.H. Associates

of America, Inc.
Mechanical, Electrical,
Engineering and Sales
24 Hours A Day

5 Cheltenham Way, Bldg. 15

Trenton, N.J. 08638
(609)396-4751 Fax: (609)396-1067
Outside of New Jersey
(800) 728-5345

5-11-21

Town of Carmel,
C/O Inframark
2 Renwick St.,
Newburgh, NY 12550

Attn: Arthur Grippo

Re: G.M.H. Associates of America, Inc. Sole Source Letter

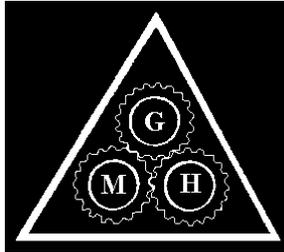
Dear Mr. Grippo

I am please to confirm G.M.H. Associates of America, Inc. is a sole source supplier of parts and service for DBS Manufacturing, Atlanta, Ga., Atlas Copco, Rockhill, SC, Air Compressors, Generators, Pumps and Light Towers, Gil Trading, Spring Lake, Fl., Weir Washers, Foam Suppression Systems and Washdown Systems, and G.M.H. Associates of America, Inc. Clarifiers, Thickeners and Trickling Filters.

Sincerely,

Gary M. Hochschild,
President

cc: file: Z: or C:\GMH\United States\NY\Carmel, NY\Sole Source Letter



G.M.H. Associates of America, Inc.

New York State Certified
Service-Disabled Veteran-Owned Business

5 Chelten Way, Bldg. 15, Trenton, N.J. 08638

Mechanical, Electrical Engineering and Sales

(609) 396-4751

Fax: (609)396-1067

Outside of New Jersey (800)728-5345

24 Hours A Day Phone (800)728-5345 / Fax: (609)396-1067

Quote #: Q21075G	Quote	Date: 4-6-21	Quote #: Q21075G
Customer: Carmel SD#2 Inframark		Attn: Arthur Grippo, Chief Operator Email: arthur.grippo@inframark.com	
2 Renwick Street Newburgh, NY 12550		Fax:	Phone: 845-541-3904

Qty	Line	Description	Unit	Extended										
1	1	<p>G.M.H. Associates of America, Inc. will supply retrofits for:</p> <table border="1"> <thead> <tr> <th>Our Item</th> <th>Item Description</th> </tr> </thead> <tbody> <tr> <td>SPARE PARTS</td> <td>NORD TURBINE GEARMOTOR TO REPLACE ORIG. NORD + LENZE **</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Quantity (EA)</th> <th>Price / Unit of Measure</th> <th>Extended Price</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>\$5,015.30 / EA</td> <td>\$5,015.30</td> </tr> </tbody> </table> <p>Shaft Mount Gearmotor with NORD NEMA Motor and AC Drive, SK 1282AFBH - 56C - 71L/4 CUS IP66 TW - 180E-370-340-B-C, Input 1720 rpm, Output 100 rpm, 0.5 HP, 230/460 V, AC Drive model 180E-370-340-B-C, input frequency 47 Hz... 63 Hz; Proposed part no. 162-SK1282AFBH-56C-71L/4TW</p> <p style="text-align: center;">Project Total: \$5,015.30</p> <p>ESTIMATED TIME TO SHIP DATE: 5 WEEKS AFTER RECEIPT OF ORDER</p> <p style="text-align: right;">Total parts only this section.</p>	Our Item	Item Description	SPARE PARTS	NORD TURBINE GEARMOTOR TO REPLACE ORIG. NORD + LENZE **	Quantity (EA)	Price / Unit of Measure	Extended Price	1	\$5,015.30 / EA	\$5,015.30		\$ 5,015.30 \$ 5,015.30
Our Item	Item Description													
SPARE PARTS	NORD TURBINE GEARMOTOR TO REPLACE ORIG. NORD + LENZE **													
Quantity (EA)	Price / Unit of Measure	Extended Price												
1	\$5,015.30 / EA	\$5,015.30												
1	2	<p>G.M.H. Associates of America Inc. will supply labor to retrofit install parts above:</p> <p>Supply all engineering, supervision, mobilization and equipment to receive from customer one drained and cleaned clarifier tank. Set up Zero Energy State and Confined Space. Electrically disconnect mixer drive motor, unbolt and remove all primary speed reducers from the main gearbox housing and mixer drive belt. Install new DBS supplied retrofit VFD motor and primary speed reducers. Rewire and test run to customers satisfaction.</p> <p style="text-align: right;">Total installation only this section.</p>		\$ 7,945.44 \$ 7,945.44										

	Total line items 1 and 2 above.	\$ 12,960.74
	NOTE	
	<p>1.) All the above information is restricted and confidential and is supplied to help the customer evaluate this quote and work procedure. Any dissemination either in whole or in part without G.M.H. Associates of America, Inc.'s express written authorization is expressly forbidden.</p> <p>2.) Estimates and Quotes are billed at time and materials per contract rates plus Overtime, Emergency and Holiday adders +/-25%..</p>	



Visa, MasterCard, American Express and Discover now accepted with 3% Service Charge.

Freight: Additional if applicable. Included with installation quote section acceptance.

Delivery: Per factory

Taxes: Additional if applicable.

Permits, Fees and Licenses: Additional if applicable.

Terms: 33% with order to hold construction date, do shop and site engineering, pre-construction meeting, stage materials and subcontractors. 23% with upon drawing approval. Balance net 30 days for construction and new drive contracts.
 1/3 with order to do shop and site engineering, pre-remanufacturing, stage and order materials and subcontractors (if any).
 1/3 with delivery. Balance net 30 days for remanufactured supply contracts. (Above contingent on credit approval, emergency and first time customer orders C.O.D. 2%/month, 24%/year service charge on all invoices paid past the due date. Trenton, NJ Mercer County will hold judicial jurisdiction for any collection litigation, if any. Reasonable collection and attorney's fees will be paid by the customer, if any. Payment outside of terms will affect warrantee. Quotes and Estimates valid for 30 days.

*** MATERIALS SUPPLY NOTES *** (If applicable)

- 1.) The followings listed items are not included with any of the foregoing equipment unless specifically itemized.
 - A.) Handrail at tank center.
 - B.) Launder support rods and channels.
 - C.) Spare Parts.
 - D.) Electrical Controls, instrumentation, lighting, wiring, starters, intrinsically safe relays for overload alarm switches or push-button stations.
 - E.) Access ladders, ships ladder, stairs, platforms, kick plates, and peripheral handrail or cover plates.
 - F.) Piping, pipe support, valves or couplings.
 - G.) Lubricants and sealant. For compatibility reasons. Lubricants will be installed if supplied by owner.
 - H.) Hauling, unloading, erection, installation or storage unless specifically noted.
 - I.) Installation or erection supervision.
 - J.) Templates.
 - K.) Covers or Domes.
 - L.) Field painting except touch up of primer or finish coat with red oxide primer.
 - M.) Weirs and or Baffles.
 - N.) Test Equipment.

REBUILDS

Prices for rebuilds assume all shafts, housings, impellers, gears, and non-normal wear components are reusable as is. Price includes all new seals, bearings, gaskets, paint and miscellaneous hardware for a complete rebuild. Additional repairs to make parts reusable or replacement parts will be at additional expense.

PAINTING

Motors and similar manufactured items will receive the manufacturer's standard surface preparation and painting.
 Structural steel: Primer only unless otherwise noted. Primer touch up only.

SERVICES

We can furnish the services of a DBS factory authorized engineer from G.M.H. Associates of America, Inc. after in has been substantially installed by others or to supervise the installation. This will be furnished as per the attached engineering rate schedule.

DRAWINGS

We shall furnish necessary drawings for the equipment supplied, as well as operation/maintenance instructions for the individual items of equipment included in this proposal. Our price does not include a comprehensive manual suitable for training personnel in the operation of the total system or treatment process.

SAFETY

The Seller will furnish the safety devices specified in this proposal but exceeding these the Seller shall not be required to furnish or install any safety devices whether required by law or otherwise. The buyer hereby agrees to indemnify and hold harmless the Seller from any claims or losses arising due to alleged or actual insufficiency, whether equipment supplied hereunder.

WARRANTEE

G.M.H. Associates of America, Inc. will supply our standard warrantee from date of delivery for two (2) full years on all parts and labor supplied by G.M.H. Associates of America, Inc. on remanufactured pumps, gearboxes, motors and other related mechanical drive train components. We will further extend to DBS Manufacturing Main Turntables for clarifier and thickener drive units a ten (10) year labor warrantee along with the DBS materials warrantee on the gearbox disassembly and replacement in our shop. Additionally G.M.H. Associates of America, Inc. offers a similar five (5) years labor warrantee along with the DBS materials warrantee on the rotary distributor main support bearing for the disassembly and replacement in our shop. Failure to properly maintain and operate rebuilt equipment will void the warrantee. Prompt notification of suspect equipment is required and the customer must minimize the damage by taking off line as soon as possibility of equipment failure is noted. Field labor, when supplied, will be at additional expense to cover mobilization and additional time due to field related conditions, cranes, weather, special tools, etc.

CONSEQUENTIAL AND LIQUIDATED DAMAGES

G.M.H. Associates of America, Inc. will not accept any consequential or liquidated damages that may be incurred by the customer. Only demurrage or penalties specifically noted in the quote scope text will be accepted if any.

*** GENERAL AND ERECTION NOTES ***

- 1.) We will work a standard 40 hour week excluding Saturdays, Sundays and Holidays.
- 2.) We will not be responsible for delays caused from acts of God, strike, wars, riots or any other delay that is beyond the control of G.M.H. Associates of America, Inc.
- 3.) Any delays that occur during the course of the job will be billed at G.M.H. Associates of America, Inc. time and materials rate.
- 4.) If excavating is quoted, it is assumed the substrate is sand, gravel, dirt or clay mix. Any obstructions encountered such as buried concrete structures, rock, shale, or other non-ditch witch-able materials will be at additional expense unless acknowledged in the quote scope of work.
- 5.) On all quotes where the customer does not supply G.M.H. Associates with a written, clear, complete and concise project scope of work the G.M.H. Associates description of work scope will stand as the controlling limit of work contemplated and required for completion of said quote.
- 6.) We have not included any sales tax.
- 7.) Our price is based on current labor rates.
- 8.) We have based our price on electrical disconnect and reconnect by others and assumes all conduit, wire, sealite, controls etc. is reusable.
- 9.) All fabrications including drive cage, center column, rake arms, influent well, scrapers and appurtenant equipment by O.E.M.
- 10.) We have not included the cost of any foundation work.
- 11.) We have based our proposal on using a xx ton crane at \$xx/day with xx days for travel and work necessary to set gearbox and structural steel, if a larger crane is needed the additional cost will be at the expense of the owner. From site plans and drawings supplied by the owner we assume we have access right up to the side of the tank for cranes and equipment.
- 12.) We have based our price on touch-up painting only, all new factory fabrications are coming with finish paint (unless otherwise noted), any structural that is being reused and the coating systems are damaged during the course of G.M.H. Associates of America, Inc.'s work will receive a red oxide primer touch-up only.
- 13.) We have based our proposal on minimal structural steel for temporary false work at approximately \$XXX.XX.
- 14.) We have not based our proposal on any platform work or structural modifications. We assume a direct bolt-in retrofit save for minor field fitting.
- 15.) We have not based our proposal on any work associated with the tank, weirs or launder troughs as part of this quote.
- 16.) Prices do not include freight, site unloading, storage, installation, removal or disposal unless specified or if installed.
- 17.) Engineering contract superintendent and tradesman time and materials rates for additional authorized work as per attached rate sheets.

- 18.) Two complete sets of blueprints/drawings, descriptive literature, operation and maintenance manuals and setup and erections drawings supplied by original equipment manufacturer must be supplied to G.M.H. Associates of America, Inc. for reference, engineering and work-up.
- 19.) Installation price includes all labor to unload on site materials and supplied by G.M.H. Associates of America, Inc. prior to installation and work.
- 18.) On site electrical and water utilities to be made available to G.M.H. Associates of America, Inc. and its subcontractors as may be necessary.
- 20.) Tank access and availability to be maintained and guaranteed by customer. Tank dewatering, hose down and clean out unless quoted and accepted by G.M.H. Associates of America, Inc. and its subcontractors to be completed and maintained by customer. Delays may be at additional expense.

Thank you for this opportunity to serve you.

EXPEDITE AND EMERGENCY SERVICE DEPENDING ON FACTORY AND SHOP SCHEDULES AT TIME OF ORDER, MAY NOT BE AVAILABLE. CHECK WITH FACTORY REPRESENTATIVE FOR AVAILABILITY.

I have read the above specifications, terms and conditions and accept them in scope and quantity. I hereby authorize the work to begin.

Customer Representative Name: _____ Title: _____ Date: _____

I will adhere to the above specifications, terms and conditions and warrant all materials and labor supplied by G.M.H. Associates of America, Inc. for a period of 90 days unless manufacturer's warranty is different.

Name:  Title: President Date: 4-6-21
 Gary M. Hochschild

Any deviation from the above specifications, terms and conditions must be duly authorized and may be at additional expense.

G.M.H. Associates of America, Inc. proudly represents:



Pumps, Inc.



Protected by multiple US/Intl. Patents & 50 Trade secrets



From: [Maxwell, Mary Ann](#)
To: [Franzetti, Richard](#)
Cc: [Esteves, Donna](#)
Subject: RE: 06-02-201 -- CSD 2 - Purchase Recommendation - Flocculation Drive for 2nd Stage Clarifier #1
Date: Wednesday, June 2, 2021 10:13:48 AM

Yes there are sufficient funds for this purchase of \$12,960.74

Mary Ann Maxwell
Town Comptroller
Town of Carmel
(845) 628-1500 ext 175
Fax (845) 628-7085
mam@ci.carmel.ny.us

From: Franzetti, Richard
Sent: Wednesday, June 2, 2021 10:09 AM
To: Maxwell, Mary Ann <mam@ci.carmel.ny.us>
Cc: Esteves, Donna <de@ci.carmel.ny.us>
Subject: 06-02-201 -- CSD 2 - Purchase Recommendation - Flocculation Drive for 2nd Stage Clarifier #1

Mary Ann

Do we have sufficient funds for this purchase – 12, 960.74

Richard J. Franzetti. P.E, BCEE
Town Engineer
60 McAlpin Avenue
Mahopac, New York 10541
Phone - (845) 628-1500 ext 181
Fax – (845) 628-7085
Cell – (914) 843-4704
rjf@ci.carmel.ny.us

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From: Harris, Carrie <Carrie.Harris@inframark.com>
Sent: Friday, May 28, 2021 5:18 PM
To: Franzetti, Richard <rjf@ci.carmel.ny.us>; Esteves, Donna <de@ci.carmel.ny.us>
Cc: Grippo, Arthur <arthur.grippo@inframark.com>; Batz, Michael <michael.batz@inframark.com>; Brann, Thomas <thomas.brann@inframark.com>; Sundblom, Karl <karl.sundblom@inframark.com>

Dries, Gabriel <Gabriel.Dries@inframark.com>

Subject: 5-28-21 -- CSD 2 - Purchase Recommendation - Flocculation Drive for 2nd Stage Clarifier #1

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Richard and Donna,

We would ask that you recommend to the Town Board to authorize a Resolution for a flocculation drive for the second stage clarifier #1 at CSD 2. This request is to retrofit a new mixer and VFD on the clarifier. We attempted to gather pricing to rebuild, but due to the unit's age it would likely not last longer than a year, according to the manufacturer. This mixer is needed to run the plant efficiently during the winter months. Please see attached quote from G.M.H. Associates. Also, please see attached sole source letter.

Please let me know if you need any further information. Thank you for your consideration.

Best Regards,
Carrie

Carrie Harris | Administrative Assistant



2 Renwick Street | Newburgh, NY 12550

(O) 845-565-6182 | **(M)** 845-670-2909 | www.inframark.com



MAHOPAC VOLUNTEER FIRE DEPARTMENT



Post Office Box 267
Mahopac, NY 10541

Fire Headquarters
741 Route Six

Emergency Dial 911
Phone: (845) 628-3160
Fax: (845)628-2174

Ann Spofford, Town Clerk
Town of Carmel
655 McAlpin Av
Mahopac, NY 10541

Dear Ann,

Please make the following changes to the Active membership of the Mahopac Volunteer Fire Department Inc.

REMOVE

The Following 53 year member passed away. His passing is a loss to the Department.
Richard Kirzl

The following members have had their status changed from Active to Exempt
Nicholas Liberatore
Jerry McGuigan
James Hecker

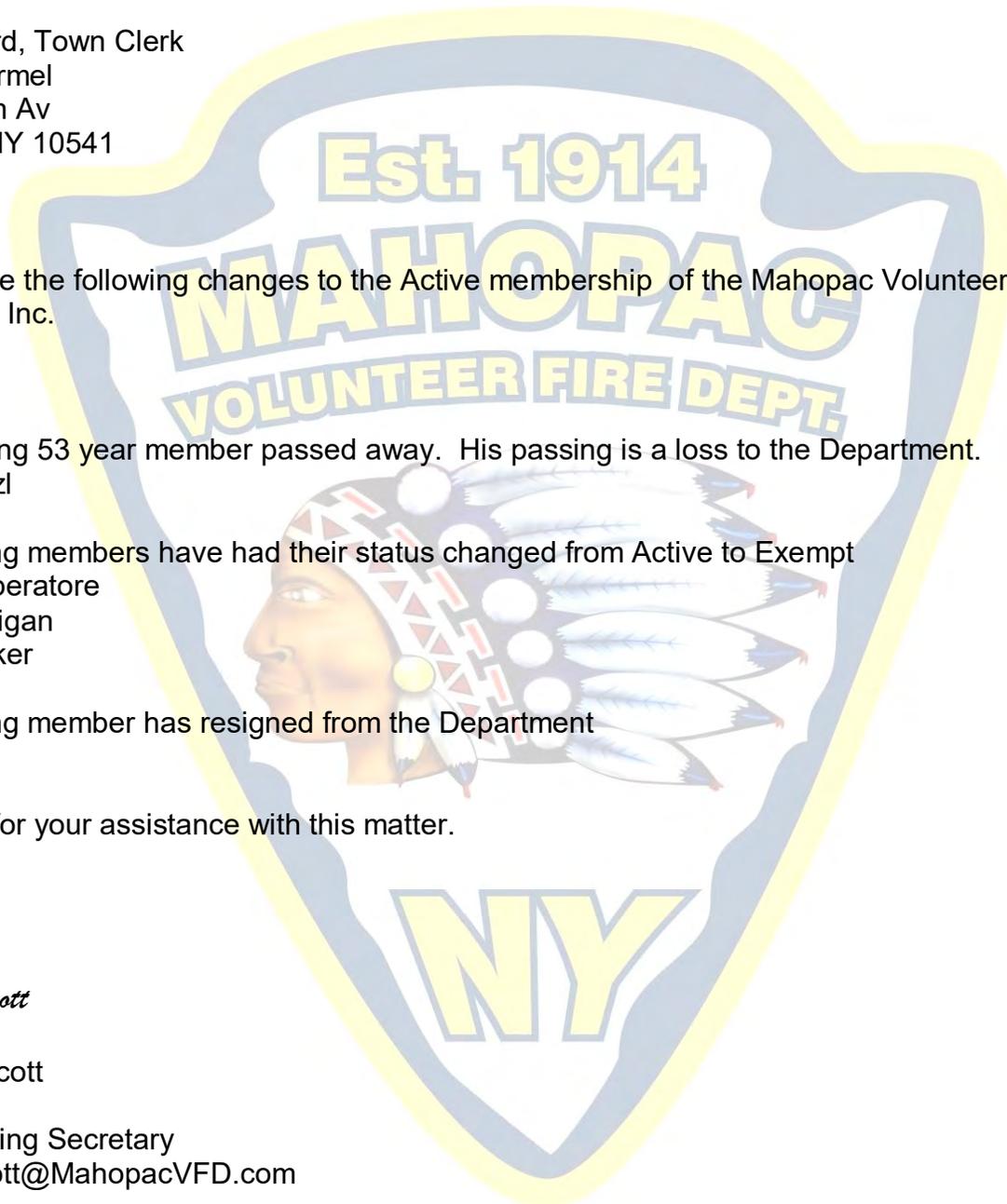
The following member has resigned from the Department
Ryan Kick

Thank you for your assistance with this matter.

Sincerely,

Edward J Scott

Edward J Scott
Ex-Chief
Corresponding Secretary
Edward.Scott@MahopacVFD.com



orig: Town Clerk
cc: Supervisor
dy bc

ANDREA O'BRIEN
NYS ABC LAW CONSULTING GROUP
LIQUOR LICENSE CONSULTANT
WWW.NYSLIQUOR.ORG
ANDREA@LIQUORAUTHORITY.ORG
914-980-9717

June 4, 2021

Town of Carmel
Office of the Town Clerk
60 McAlpin Ave.
Mahopac, NY 10541

Re: RC Pizza Restaurant LLC
DBA: Europa Pizza
178 Route 52
Carmel, NY 10512

Dear Town Clerk:

Enclosed herewith is the 30-Day Notice to the Municipality for the above-mentioned RC Pizza Restaurant LLC part of the NYS Liquor Authority application for a Liquor License. This restaurant has been in business, without serving alcohol, since November 2020.

We respectfully request a waiver of the 30-day wait period so that the applicant can proceed quickly with submitting the change request to the NYSLA.

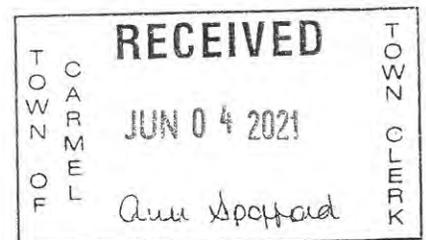
If you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely yours,

Andrea O'Brien

Andrea O'Brien
Liquor License Consultant

Encl.



Standardized NOTICE FORM for Providing 30-Day Advance Notice to a Local Municipality or Community Board

1. Date Notice was Sent: 1a. Delivered by:

2. Select the type of Application that will be filed with the Authority for an On-Premises Alcoholic Beverage License:
 New Application Renewal Alteration Corporate Change Removal Class Change Method of Operation Change

For **New** applicants, answer each question below using all information known to date
For **Renewal** applicants, answer all questions
For **Alteration** applicants, attach a complete written description and diagrams depicting the proposed alteration(s)
For **Corporate Change** applicants, attach a list of the current and proposed corporate principals
For **Removal** applicants, attach a statement of your current and proposed addresses with the reason(s) for the relocation
For **Class Change** applicants, attach a statement detailing your current license type and your proposed license type
For **Method of Operation Change** applicants, although not required, if you choose to submit, attach an explanation detailing those changes

This 30-Day Advance Notice is Being Provided to the Clerk of the Following Local Municipality or Community Board:

3. Name of Municipality or Community Board:

Applicant/Licensee Information:

4. Licensee Serial Number (if applicable): Expiration Date (if applicable):

5. Applicant or Licensee Name:

6. Trade Name (if any):

7. Street Address of Establishment:

8. City, Town or Village: , NY Zip Code:

9. Business Telephone Number of Applicant/Licensee:

10. Business E-mail of Applicant/Licensee:

11. Type(s) of alcohol sold or to be sold: Beer & Cider Wine, Beer & Cider Liquor, Wine, Beer & Cider

12. Extent of Food Service:
 Full food menu; full kitchen run by a chef or cook Menu meets legal minimum food availability requirements; food prep area at minimum

13. Type of Establishment:

14. Method of Operation: (check all that apply)
 Seasonal Establishment Juke Box Disc Jockey Recorded Music Karaoke
 Live Music (give details i.e., rock bands, acoustic, jazz, etc.):
 Patron Dancing Employee Dancing Exotic Dancing Topless Entertainment
 Video/Arcade Games Third Party Promoters Security Personnel
 Other (specify):

15. Licensed Outdoor Area: (check all that apply)
 None Patio or Deck Rooftop Garden/Grounds Freestanding Covered Structure
 Sidewalk Cafe Other (specify):

RECEIVED
TOWN OF CARMEL
JUN 04 2021
Ann Spofford
TOWN CLERK

16. List the floor(s) of the building that the establishment is located on:

17. List the room number(s) the establishment is located in within the building, if appropriate:

18. Is the premises located within 500 feet of three or more on-premises liquor establishments? Yes No

19. Will the license holder or a manager be physically present within the establishment during all hours of operation? Yes No

20. If this is a transfer application (an existing licensed business is being purchased) provide the name and serial number of the licensee:

21. Does the applicant or licensee own the building in which the establishment is located? Yes (if YES, SKIP 23-26) No

Owner of the Building in Which the Licensed Establishment is Located

22. Building Owner's Full Name:

23. Building Owner's Street Address:

24. City, Town or Village: State: Zip Code:

25. Business Telephone Number of Building Owner:

Representative or Attorney Representing the Applicant in Connection with the Application for a License to Traffic in Alcohol at the Establishment Identified in this Notice

26. Representative/Attorney's Full Name:

27. Representative/Attorney's Street Address:

28. City, Town or Village: State: Zip Code:

29. Business Telephone Number of Representative/Attorney:

30. Business E-mail Address of Representative/Attorney:

I am the applicant or licensee holder or a principal of the legal entity that holds or is applying for the license. Representations in this form are in conformity with representations made in submitted documents relied upon by the Authority when granting the license. I understand that representations made in this form will also be relied upon, and that false representations may result in disapproval of the application or revocation of the license.

By my signature, I affirm - under **Penalty of Perjury** - that the representations made in this form are true.

31. Printed Principal Name: Title:

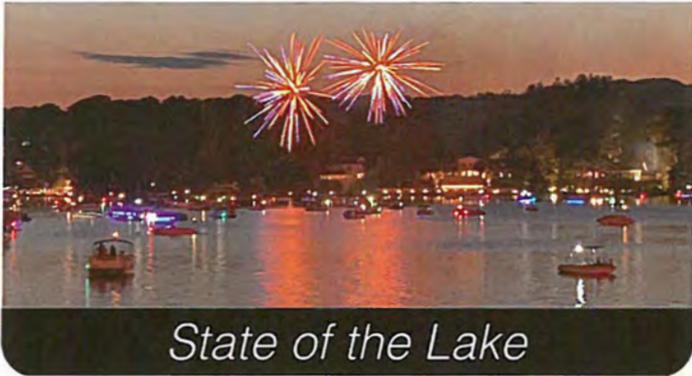
Principal Signature: 

SUMMER 2021

The Newsletter of the Lake Mahopac Park District

In this Issue:

- Lake Overview
- Safety & Enforcement
- How's the Water?
- BUGS!
- Buoys
- Goose Update
- Latest Fish Survey
- Who We Are..



State of the Lake

Summer 2021. Yes, we finally made it. The entire Lake Mahopac Community is looking forward to celebrating a return to whatever a **normal summer** on the lake looks like in 2021. Everyone will acknowledge that the **Summer of 2020 was a challenge.** With many people not commuting to work, and students not engaging in educational activities or summer jobs, it seemed like everyone was taking advantage of being on the lake.

While this was a great opportunity to relax and escape the restrictions imposed by COVID-19, the lake experienced a significant increase in boats, water skiers, wake boarders, swimmers, kayakers, paddle boarders and all kinds of fishing activities.

Concerns about the **overcrowding of the lake** were shared with the **LMPD** and the **Carmel Police Marine Patrol**, especially as it relates to safety on the lake. The Lake community was extremely lucky in that there were no serious incidents. The key to staying safe in the coming Summer of 2021 will be to have everyone being respectful of others, following the lake rules, and being alert to situations where safety could be compromised.

Hopefully the **Summer of 2021** on the lake will be calmer and a little less stressful for everyone.

The annual preparations are underway by the LMPD and Town of Carmel to be ready for the start of the season. Navigation and hazard buoys are being deployed, and the Marine Patrol boat has been serviced, launched and patrol assignments have been scheduled. The LMPD has plans to execute this year's' **Water Quality and Bio Mass study** which includes the aerial drone photography to monitor year-on-year vegetation growth.

As a reminder, please ensure that you and everyone who operates a craft on the lake adheres to the New York state Brianna's law requiring a successful boating safety certificate according to the progressive age specific requires. For answers to any questions this laws' requirements, please go to <http://www.briannaslaw.com>. The Carmel Marine Patrol will be checking for and expecting compliance in the coming summer.

Lake Water Level -The LMPD and the Town of Carmel monitors the lake level and takes actions to open or close the sluice based on regular measurement data.

To provide some background, the sluice at the west end of the lake was originally installed by the NYC watershed in 1885 and has to ability to lower the lake level approximately 17" from its seasonal high. Lowering the lake level is traditional done in late November for a number of reasons. (Continued>>>)



SLUICE GATE, AND OUTLET FROM LAKE MAHOPAC,
TITNAM Co N.Y. 355. SEP 9th 1885.

Lake Water Level (Continued)

Ecologically, it is advantageous to refresh the top layer of the lake water, according to our limnology experts, to **maintain a healthy eco system**. Exposing more of the lake bed to freezing, particularly around the shore line, can also help fight the growth of the **invasive Eurasian Milfoil**. The lower lake level also **facilitates repairs to shore structures** such as docks and retaining walls while reducing the chance of damage due to winter ice.

Concerns about the low lake water level were shared with the LMPD early this Spring. The sluice was closed on Friday March 5th, 2021, on or about the traditional closing date. The rate of return once the sluice is closed is **approximately 1"-1.5" a week**, depending on rainfall over the spring months. According to NOAA data, our area has been a bit below our traditional **rainfall rate** for the months of January and February, the latest full data available at this time. Regardless, **the lake level rose 14.5"** by **May 30** and is on track to achieve the normal recreational level in time for the full summer season.

It is the hope of the LMPD that the contents in this newsletter is informative and useful. Please visit the LMPD website (lakemahopac.org) for back newsletter issues, lake rules, history and other useful content. There is also a feature on the website to share feedback and suggestions.

Lakefront property owners are encouraged to also register on the website to receive email updates as needed:

http://www.lakemahopac.org/sl_register.php

We work to serve the lake community and look forward to receiving your feedback and input.

How's the Water?

Alissa Perone - Aquatic Ecologist



For over 20 years, Aquatic Ecosystems Consulting (AEC) has performed an annual summer monitoring (water quality and vegetation survey) of Lake Mahopac in order to provide the Town of Carmel and the LMPD with data to aid in their lake management decisions. This most recent study was conducted on **August 25 and 30, 2020** (plant biomass and visual inspection) and **August 27, 2020** (water quality).

Over the past 5 years, the LMPD, working with the

Town of Carmel and the DEC, continued a phased restocking of triploid grass carp in Lake Mahopac for **the control of Eurasian milfoil**. A total of 2400 grass carp have been introduced into the lake in that time. **Listed below are the 5 key take-aways** from this study. The full report will be posted on the LMPD website.

1) This is the second year since the restocking of the grass carp that a **decrease in both total plant biomass and coverage** was observed. In 2020, 25% less plants were collected as compared with 2019.

2) Aquatic vegetated acreage, calculated as a percentage, **was approximately 39% or 102 vegetated acres**. (Total Lake Mahopac acreage is 580 acres.) This represents a **decrease of 75 acres, or 30% less covered area** than in 2020, when compared to 2019 data.

3) Lake Mahopac experienced a **strong summer stratification** last year, where the temperature and oxygen sharply decreased around 7 meters. Much of the water below 7 meters was characterized by little to no oxygen (anoxic), which often occurs in deep waters that undergo strong summer stratification.

4) The 2020 lake **temperature and oxygen profiles** were **similar to 2019**, and have stayed relatively consistent throughout the years. Detailed profile charts are available in the complete report posted online.

5) The 2020 **nutrient levels (nitrogen and phosphorus)** were **within the range expected** for the lake. **Water clarity improved** in 2020 compared to 2019 using the standard Secchi Disc method.

Marker Buoys

Every year the **LMPD and Carmel Police Marine Patrol** work hard to insure the **Safety and Navigation Buoys** are maintained and in the most effective locations. The team is also responsible for swapping out the buoys with the winter marker buoys every Fall .

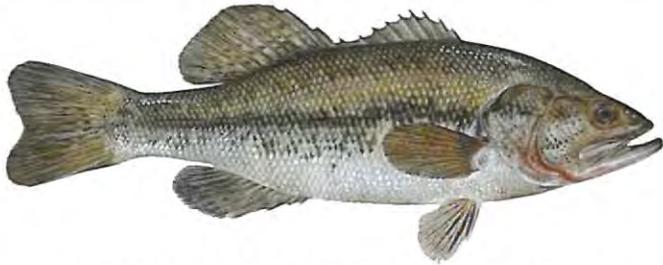
Please help us by respecting the buoys as community property that is so critical to **lake safety** during the busy boating season.



What you can do to help:

- **Obey the regulatory and navigation buoys.** Tickets will be given to those who violate them.
- **Don't tie up** to any of the navigation or regulatory buoys. This is illegal and can drag them out of position.
- **Slow down** when approaching navigation and regulatory buoys.
- **Report** buoy violations to the **Carmel Police, 845-628-1300.**

New Fish Survey Results are In!



In 2020 the LMPD sponsored, with Town Board approval, a survey of the **Lake Mahopac fishery.** The survey was conducted over several nights in the Fall of 2020 utilizing **boat-based electrofishing sampling** methodologies. Overall, we are pleased with the Report's findings. A thorough report on the results of the survey was issued in early 2021 and can be found on our website at lakemahopac.org.

Some highlights include:

- A total of **14 species** were caught, which was the highest species richness encountered since 1999.
- **Bluegill, Largemouth Bass, Brown Bullhead** and **Rock Bass** were the most abundant species.
- The **Largemouth Bass** fishery is in good condition, with large catchable fish present in high numbers. The heaviest one caught during the survey was 6 lbs. and 20 inches long!
- Lower catch rates for **Smallmouth Bass** were not surprising in a lake like ours where Largemouth dominate.

The Report also provided some things to consider for future lake management efforts, which we will be evaluating. A special thanks **Ken MacDonald** and **MacDonald Marine** for helping facilitate this operation!

Some Fishing Tips:

- **Don't discard fishing line** in the lake, which can easily foul propellers on boats and trolling motors.
- **Don't give up too easily on a snagged lure.** The lure may be caught on a rock and can often be dislodged by easing your boat back over the lure while keeping your line gently taut.
- **Try using alternatives to toxic lead weights,** such as those made from steel, tungsten or brass.
- **Avoid fishing too close to swim areas,** where hooks caught on ropes or swim platforms can harm swimmers.
- **Take your kids and grandkids fishing.** Make some wonderful memories!



Charlie Langlitz & Largemouth Bass

Lake Safety & Enforcement



Last Summer, with the onset of the Covid-19 pandemic, the number of boats and PWC's appeared to have **doubled** on Lake Mahopac, as many people altered their normal vacation plans and bought water vessels. As a result, the LMPD believes that there is significant cause for concern about safety on the Lake.

The LMPD has had meetings with the Carmel PD to discuss **increasing enforcement patrols** and spending more hours on the lake. The LMPD urges all of those on the lake to assist the Carmel PD by taking a proactive role in helping make the lake safer.

"If you see something, say something" is the approach we ask you to take. Issues such as: wake jumping with PWC's, speeding in the 5 MPH (No Wake) zones, intoxicated driving (DWI), speeding, loud mufflers, playing excessively loud music, or any other offensive, hazardous or reckless activity, should be reported to the **Carmel Police at 845-628-1300.**

>>>>>>>>>>

Lake Safety & Enforcement (continued)

When you call, please state the situation you have witnessed, and the time and location on the lake where the occurrence was observed. We urge you **not to take matters in your own hands**, but let the Police handle it when they arrive. They cannot be at every location on the lake at the same time but be patient for them to arrive.

The LMPD and the Carmel Police are exploring enforcement enhancing options such as the addition of a PWC, the use of drone monitoring and periodic patrols by the DEC marine police.

Be Present* Be Focused* Be Safe!

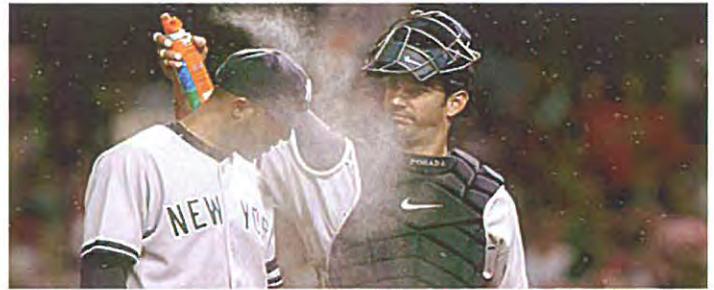
What The BUG?



Anyone who lives on, or by the lake knows all too well that there are the 1-2 weeks in each Spring that requires more patience than all others. Swarms of **mosquito-like bugs** appear on the first warm Spring day every year. **What are these scary, angry bugs?**

The answer to that question is **Aquatic Midges!** According to the experts, these annoying bugs are referred to as **non-biting Midge Flies** or **Chironomids**, also known as **"Blind Mosquitos"**. The midge life cycle, which only lasts **2 to 3 weeks**, starts with the females laying eggs in the lake where they hatch. As they mature, they swim to the warmer surface water and form the thick, flying swarms we see each spring. Luckily for us, they only fly for **3 to 5 days**, but actually provide **benefits to the aquatic habitats** in the way of a food source for fish, shoreline birds and bats.

So,... one more joy of lake life, and another great mystery of nature solved!



PS: You might remember how the Lake Erie Midges almost stopped the Yankees/Cleveland Indians Wild Card game in 2007,... forever known as the **"Bug Game"**!

Goose Update 2021



Once again, the coming of Spring sent a volunteer team out searching the lake shore for goose nests. This year, a total of **six nests** were found with a total of **28 eggs** were added following the most humane process.

According to the **Putnam County Department of Health**, goose excrement is a health risk resulting in possible **skin rashes** and the growth of **Harmful Algae Blooms (HABs)**. Please **refrain from feeding** the geese as this will encourage them to make Lake Mahopac their permanent home!

Who We Are.....

The **Lake Mahopac Park District Advisory Board** is a group of individuals, appointed by the Carmel Town Board, to advise the board on issues that pertain to the health and safety of the lake. The Advisory Board's activities include the monitoring of the lake level and water quality, liaising with the Carmel Police and the Coast Guard Auxiliary. In addition, the board coordinates activities with surrounding lake associations, the NY State Federation of Lake Associations (NYFOLA) and the NY Department of Environmental Conservation(DEC), the Putnam County Department of Health and the NY Department of Environmental Protection(DEP).

°Visit lakemahopac.org

Board Members:

Compton Spain
Jay Crawford
John Maxwell

Charlie Langlitz
James Maxwell
Robert Frenkel

Key Liaisons:

Michael Barile / Frank Lombardi
Richard Franzetti
Sgt. Michael Bodo
Cmdr. Elaine Peale

- Carmel Town Board
- Carmel Town Engineer
- Carmel Town Police
- US Auxiliary Coast Guard