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**TOWN OF CARMEL**  
**PLANNING BOARD**



60 McAlpin Avenue  
Mahopac, New York 10541  
Tel. (845) 628-1500 – Ext.190  
[www.ci.carmel.ny.us](http://www.ci.carmel.ny.us)

MICHAEL CARNAZZA  
*Director of Code  
Enforcement*

RICHARD FRANZETTI, P.E.  
*Town Engineer*

PATRICK CLEARY,  
AICP, CEP, PP, LEED AP  
*Town Planner*

**PLANNING BOARD AGENDA**  
**OCTOBER 14, 2021 – 7:00 P.M.**

**TAX MAP #   PUB. HEARING   MAP DATE   COMMENTS**

**SITE PLAN**

- |  |           |          |                     |
|--|-----------|----------|---------------------|
| 1. Fante Subdivision – 419 Union Valley Road | 87.7-1-22 | 10/04/21 | Final Plat (2 Lots) |
| 2. Hamlet at Carmel – Stoneleigh Ave, Carmel | 66.-2-58  | 9/29/21  | Amended Site Plan   |

**MISCELLANEOUS**

- |   |            |         |  |
|---|------------|---------|--|
| 3. 70 Old Route 6, LLC – 70 Old Route 6, Carmel<br>(formerly Tompkins Recycling Facility) | 55.11-1-15 | 12/8/16 | Re-Approval of Final Site Plan<br>Approval |
| 4. Minutes – 08/25/21 & 09/09/21  |            |         |  |

**JOHN KARELL, JR., P.E.**  
**121 CUSHMAN ROAD**  
**PATTERSON, NEW YORK, 12563**  
845-878-7894 FAX 845 878 4939  
[jack4911@yahoo.com](mailto:jack4911@yahoo.com)

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October 1, 2021

**RESPONSE TO TOWN CONSULTANT COMMENTS**

Fante, 419 Union Valley Road, Carmel (T)

TM # 87.7-1-22

Attached please find plans and documents revised in accordance Town comments as follows. It is noted that only sheets that have been revised have been submitted. :

**Richard Franzetti, P.E., Town Engineer dated August 12, 2021**

**PRELIMINARY COMMENTS**

- Preliminary Subdivision plat attached.
- Variance granted on September 23, 2021
- Driveway easement provided.
- Colorized steep slope analysis provided. It is not believed that the State prohibits construction on steep slopes. Agencies do have suggestions that steep slopes be avoided to the extent possible depending on the extent of the steep slopes. In this case the intrusion into the steep slopes is minimal and mitigated by erosion control measures.
- With respect to open space reservation , no land is being reserved for open space dedication., the recreation fee will be paid in lieu of an offer of land..
- Noted relative to Section 131-13. It is believed that the submitted plans comply with this Code section.

**GENERAL COMMENTS**

1. Noted.
2. Noted except for the need for a ECB permit and DEP permit.
3. The plans indicate a limit of disturbance line and total area of disturbance. The need for a DEC Stormwater permit is noted. An NOI and SWPPP is attached.
4. No public improvements are necessary or proposed therefore it is not believed that a bond is necessary.
5. The possible need for a stormwater bond is noted.

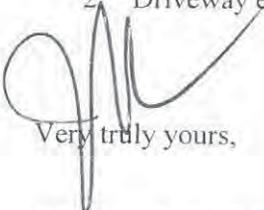
**Pat Cleary, undated**

1. Open development and lot depth line variances were granted by the ZBA on September 23, 2021.
2. The variance has been indicated on the Zoning Schedule.
3. The applicant wishes to maintain the house location as previously shown on the plan.
4. Well setbacks noted.

5. The applicant requests a waiver from the requirement to provide a tree plan. It should be noted that at my inspection indicated approximately 12 trees 6" or greater in width at breast height are within the limit of disturbance, most at 6-8 inches.
6. The driveway easement has been provided to the Planning Department previously by the owner.
7. The wetland has been flagged by Ted Kozlowski and survey located by Baxter. The area of disturbance for the new house construction is approximately 100 feet from the 100 foot wetland setback therefore a wetland permit is not required. A copy of Mr. Kozlowski's report is attached.

**Michael Carnazza, Building Inspector dated August 23, 2021**

1. The Town of Carmel ZBA has issued the necessary variances on September 23, 2021.
2. Driveway easement has been provided to the Planning Department previously by the owner.



Very truly yours,

John Karell, Jr., P.E.

## **I. INTRODUCTION**

### **1.1. Project background**

The project site is at 419 Union Valley Road in the Town of Carmel, NY, Putnam County, New York. The site presently contains a single family house, driveway, septic system and well. It is proposed to subdivide the property to create two lots and construct a single family house with asphalt driveway, septic system and well on the vacant second parcel. The property is identified as tax map #.87.7-1-22

#### **Site Description**

The site is approximately 12 acres in size. The existing house parcel will contain 8 acres and the vacant lot 4 acres. The proposed house construction will result in an increase in impervious area of 4,420 square feet and 0.55 acres (23,900 square feet) of total disturbance.

### **1.2. SWPPP Overview**

It is proposed to construct a single family house on the vacant parcel that will be 3,400 square feet in size. A drilled well and septic system will provide water and sewer service to the proposed house. The purpose of this report is to address Storm Water Pollution Prevention and Management for the proposed improvements.

In accordance with the Code of the Town of Carmel and NYSDEC SPDES General Permit for Storm water Discharges from Construction Activities, General Permit GP-0-20-001, because the proposed disturbance for the project exceeds 5,000 square feet, coverage under the General Permit is required, a Notice of Intent (NOI) must be filed and a storm water pollution prevention plan is required for this project.

Construction will begin immediately after receiving approval from the Town of Carmel Building Department of a SWPPP in accordance with the provisions of the Town Code.

## **II. EXISTING SITE CONDITIONS**

### **2.0 General**

The existing property contains a single family house located on the southeast side of Union Valley Road in the Town of Carmel.

Generally the topography on the site flows from west to east. The subject property is located in the NYC Watershed.

### **2.1 Surface Water**

A pond and associated wetland is on this property.

## **2.2 Soils**

### **2.1.1. Hydrologic Soils/NRCS Web Soils Survey**

Soils on the entire property are classified by the United States Department of Agriculture Soil Conservation Service as Chatfield Charlton Complex (CsD) Hydrologic soil group B from the Web Soil Survey.

The pre developed site consists the existing house and associated improvements and woods in good condition.

### **2.1.2. Site Geotechnical Evaluation**

Review of the soil characteristics indicates a general rock and groundwater depth of greater than 7 feet below grade.

## **2.3. Groundwater**

Groundwater is greater than 7 feet below grade.

## **2.4. Natural Resources**

Natural resources contained on the site is the pond, wetland and woodland area. A small portion of the woodland will be removed for the construction of the house, septic system and driveway.

## **2.5. New York State Register of Historic Places Assessment**

There are no Historic places on this property.

## **2.6. Critical Habitat**

There are no critical habitats on this property.

## **2.7. Offsite Drainage**

No changes in drainage patterns are proposed.

## **2.8 Pre-construction Drainage Areas**

No changes to pre construction runoff patterns will result from the construction of this project.

## **2.9 Potential sources of pollution**

Potential sources of pollution which may be reasonably expected to affect the quality of stormwater discharges.

- Sediment – all disturbed areas will be stabilized

### **III. Stormwater Management, Treatment and Conveyance**

A. Storm water treatment is not required. Management of stormwater from this property will be discharging roof and driveway drainage to adjacent lawn areas.

B. Stormwater conveyance for this project consists of sheet flow onto adjacent lawn areas.

### **IV. Stormwater Management**

Treatment of stormwater is not required.

### **V. Erosion and Sediment Control**

#### **A. Temporary Erosion and Sediment Control Measures**

1. Temporary erosion and sediment control measures in the design of this project are silt fence. The driveway will be provided with a stabilized construction entrance. The contractor will be responsible for daily sediment cleanup on the driveway, if any. Silt fence are proposed to be installed along the downslope of all areas of disturbance as shown on the site plan, or as determined to be necessary during construction.
2. Runoff will be controlled within the project area. Bare soil areas, disturbed areas, will be seeded and mulched to control possible erosion and slow the velocity of runoff. Such activities shall be initiated by the end of the next business day and completed within 7 days from the date the current soil disturbance activity ceased.
3. Initial grading shall take place to install the sediment control measures. Soil stockpiles shall be stabilized away from any drainage structures or natural drainage paths. Once final grading has been achieved in any area that area shall be seeded and mulched and not redisturbed again.
4. Soil stockpiles must be protected with seeding and/or mulching as soon as possible but no longer than 7 days after ceasing activity. (see item # 2 above)
5. Measures must be in place prior to disturbance of a particular area in order to prevent sediment from traveling off site. This is accomplished on this site by the proper installation of silt fence.
6. Dust shall be controlled to keep the amount of particles/sediment generation by construction

activity to a minimum. This will be accomplished by seeding and mulching of disturbed areas and wetting areas prone to airborne dust.

7. All temporary and permanent sediment and erosion control measures must be checked on a weekly basis for functionality and stability. This includes the silt fencing and the stabilized construction entrance. Any bare spots in areas previously seeded will be reseeded and remulched as soon as necessary. In areas where soil erosion and sedimentation is found to be a problem and measures are not in place, appropriate measures must be installed as required by the supervising engineer.

8. Final grading shall match approximately the cut and fill lines as shown on the plans. This must be accomplished within 7 days of the end of the construction activity unless otherwise specified under the Town or DEC permits. (see item # 2 above)

9. Temporary measures shall not be removed until all disturbed areas protected by such measures are fully and properly stabilized.

10. Permanent non structural measures to remain in place are re-established areas of grass and landscaping within the non impervious areas.

11. Pollution prevention measures that will be utilized to prevent construction debris from becoming a pollutant source include:

...Litter control – refuse containers will be provided on the site for the deposition of any debris. The contractor shall police the site at the end of each day, collect litter and deposit litter in the refuse containers.

...Construction chemicals – all construction chemicals including but not limited to equipment fuels and oils and cleaning solvents shall be stored in appropriate containers and within a locked facility overnight.

Any spills of construction chemicals will be immediately cleaned up in accordance with appropriate procedures.

Any significant spill will be immediately reported to the NYSDEC pursuant to State Regulations, procedures and requirements.

...Construction debris will be collected and placed in roll off containers and disposed off site in at an appropriate disposal facility. (Part III.B.1.j)

## **B. Permanent Erosion Control Measures**

1. Permanent erosion control measures employed in the design of the project include stabilization of all disturbed areas with grass.

## VI. Inspection & Maintenance of Stormwater and Erosion Control Measures

### A. Inspection and Reporting Requirements

All erosion control measures are to be inspected weekly. In the case of a rain event, measures must be checked immediately after. Inspections shall be made by a qualified professional and reports will be kept on site in a dedicated mailbox labeled, "Stormwater Documents".

### B. Responsibilities

The project contractor and/or subcontractors shall be responsible to install, construct, repair, replace, inspect and maintain the temporary erosion and sediment control practices included in the SWPPP. The project contractor/subcontractor shall be responsible for constructing the post construction storm water management practices included in the SWPPP. Such measures will be maintained by the project contractor/subcontractor during the entire construction period.

Permanent measures will be maintained by the owner of the property.  
(Part III.A.6) (Part IV)

Developer:

Frank Fante  
419 Union Valley Road  
Mahopac, NY < 10541

Owner/ Applicant  
Same as developer

The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor*. The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and

conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for storm water discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings. "

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed.

The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the construction site. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

## **C. Temporary Measures**

### **1. Construction Entrance(s)**

The construction entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto the public right of way. This will require, sweeping and washing the driveway surfaces, periodic top dressing with addition stone or additional length as conditions demand based on daily inspections and repair and/or clean out of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights of way must be immediately removed.

### **2. Silt Fence**

Silt fence is proposed down gradient from all disturbed areas proposed on the site. Silt fence is used to collect the transported sediment load due to runoff and to slow said runoff, in an effort to prevent erosion. The silt fence is a temporary barrier of geotextile fabric supported by fence posts at a 10 foot maximum interval.

Sediments shall be removed from behind the fence when it becomes 0.5 feet deep at the fence. It should also be inspected regularly, at least once a week and repaired as needed to maintain a barrier.

## **D. Permanent Measures**

### **1. Permanent vegetation**

All grassed areas shall be maintained to provide a vegetative cover to hold soils in place.

## **VII. General Requirements for Owners or Operators with Permit Coverage**

A. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-002), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form and inspection reports at the construction site until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department.

The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection. (Part II.B.C.2)

B. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the *MS4* in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *MS4* prior to commencing construction of the post-construction stormwater management practice. (Part II.C.5)

C. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall also have the *MS4* sign the "MS4 Acceptance" statement on the NOT. The *owner or operator* shall have the principal executive officer, ranking elected official, or duly authorized representative from the *regulated, traditional land use control MS4*, sign the "MS4 Acceptance" statement. The *MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector's* final site inspection certification(s) required in Part V.3. (Part V.A.4)

D. Within 10 days after the installation of all erosion control plan measures, the applicant shall submit to the Building Inspector a letter from the qualified professional who designed the plan for Frank Fante, stating that all erosion control measures have been constructed and installed in compliance with the approved plans.

E. Various certifications are required to be completed as follows:

1. SWPPP Modification Summary Sheet
2. SWPPP Preparer Certification
3. Contractor and Sub-contractor Certification

These documents are appended to this SWPPP.

## **VIII. Conclusions**

In conclusion, the proposed project shall not result in any negative impact to existing hydrologic condition at the vicinity of the property and proposed storm water management practices conforms to NYSDEC Stormwater Management Design Manual and GP-0-20-001. In addition, the design of all storm water management practices meets the requirements of the Town of Carmel.

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**SWPPP**

**FRANK FANTE**  
419 Union Valley Road  
Carmel (T)

September 30, 2021

**FANTE STORMWATER POLLUTION PREVENTION PLAN  
SEQUENCE OF CONSTRUCTION**

Frank Fante, 419 Union Valley Road, Carmel (T)

The following are sequence and methods of construction for the construction of a single family house on property owned by Frank Fante, 419 Union Valley Road, Carmel (T), Putnam County, New York. Erosion and sediment control measures are incorporated into the construction program. Construction of this project will be in one phase.

Proposed erosion and sediment control methods are found on the Site Plan. The erosion controls are designed in accordance with the State of New York, "Guidelines for Urban Erosion and Sediment Control". The project is expected to start in the Winter of 2021 and continue over a one year period.

**A. General Construction Notes**

1. The site shall be disturbed only when and where necessary. Only the smallest practical area of land shall be exposed at any one time during development. When land is exposed, the exposure shall be kept to the shortest practical period of time by immediate stabilization per the stabilization notes, unless specified otherwise. All disturbed areas that are seeded with appropriate seed mixture and procedure are considered stabilized when 80% of the vegetation is achieved.
2. Where ever feasible, natural vegetation shall be retained and protected.
3. The contractor shall inspect all erosion and sediment control devices during all storm events, prior to weekends and prior to all forecasted storm events.
4. The Contractor shall grade and provide stabilization of newly graded and disturbed areas per item 8 of this sequence.

**B. Construction Sequence**

1. Install all erosion control measures.
2. Perform site grading for the house, utilities and driveway.
3. Begin house construction.
4. Install proposed utilities including, water, septic system, electric and other underground utilities.
5. Topsoil, seed and mulch all disturbed areas in accordance with the stabilization notes.
6. Remove all temporary erosion control measures. Restore/backfill to final grade and provide stabilization is necessary.
7. Contractor to perform final site clean up and dispose of all debris properly.

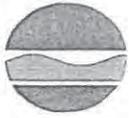
**8. STABILIZATION NOTES**

- A. Grade to finished slopes
- B. Soils shall be scarified.
- C. Topsoil with not less than four inches of suitable topsoil material
- D. Seed as follows:

Spring/Fall Planting:	Tall fescue	100
	Kobe Gespedza	10
	Bahi Grass	25
	Rye Grass	40
Temporary Summer Planting		
	German Millet	40

All above units in lbs/sc

# NOTICE OF INTENT



## New York State Department of Environmental Conservation

### Division of Water

625 Broadway, 4th Floor  
Albany, New York 12233-3505

NYR   
(for DEC use only)

Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-20-001  
All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

**- IMPORTANT -**  
**RETURN THIS FORM TO THE ADDRESS ABOVE**  
OWNER/OPERATOR MUST SIGN FORM

#### Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

F R A N K   F A N T E

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

F A N T E

Owner/Operator Contact Person First Name

F R A N K

Owner/Operator Mailing Address

4 1 9   U N I O N   V A L L E Y   R O A D

City

C A R M E L

State

N Y

Zip

1 0 5 4 1 -

Phone (Owner/Operator)

8 4 5 - 2 1 6 - 2 3 4 8

Fax (Owner/Operator)

- - - - -

Email (Owner/Operator)

c f a n t e @ c o m c a s t . n e t

FED TAX ID

- (not required for individuals)

## Project Site Information

Project/Site Name

F A N T E H O U S E C O N S T R U C T I O N

Street Address (NOT P.O. BOX)

4 1 9 U N I O N V A L L E Y R O A D

Side of Street

 North  South  East  West

City/Town/Village (THAT ISSUES BUILDING PERMIT)

C A R M E L

State Zip

N Y

1 0 5 4 1 -

County

P U T N A M

DEC Region

3

Name of Nearest Cross Street

W A T E R M E L O N H I L L R O A D

Distance to Nearest Cross Street (Feet)

1 0 0 0

Project In Relation to Cross Street

 North  South  East  West

Tax Map Numbers

Section-Block-Parcel

8 7 . 7 - 1 - 2 2

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you must go to the NYSDEC Stormwater Interactive Map on the DEC website at:

[www.dec.ny.gov/imsmaps/stormwater/viewer.htm](http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm)

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i" (identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)

6 0 7 8 4 1

Y Coordinates (Northing)

4 5 7 8 8 8 9

2. What is the nature of this construction project?

- New Construction
- Redevelopment with increase in impervious area
- Redevelopment with no increase in impervious area













Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)

<u>RR Techniques (Area Reduction)</u>	<u>Total Contributing Area (acres)</u>		<u>Total Contributing Impervious Area (acres)</u>	
<input type="radio"/> Conservation of Natural Areas (RR-1) ...	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<input type="radio"/> Sheetflow to Riparian Buffers/Filters Strips (RR-2) .....	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<input type="radio"/> Tree Planting/Tree Pit (RR-3) .....	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<input type="radio"/> Disconnection of Rooftop Runoff (RR-4) ..	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>
<u>RR Techniques (Volume Reduction)</u>				
<input type="radio"/> Vegetated Swale (RR-5) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Rain Garden (RR-6) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Stormwater Planter (RR-7) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Rain Barrel/Cistern (RR-8) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Porous Pavement (RR-9) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Green Roof (RR-10) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<u>Standard SMPs with RRv Capacity</u>				
<input type="radio"/> Infiltration Trench (I-1) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Infiltration Basin (I-2) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Dry Well (I-3) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Underground Infiltration System (I-4) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Bioretention (F-5) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Dry Swale (O-1) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<u>Standard SMPs</u>				
<input type="radio"/> Micropool Extended Detention (P-1) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Wet Pond (P-2) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Wet Extended Detention (P-3) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Multiple Pond System (P-4) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Pocket Pond (P-5) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Surface Sand Filter (F-1) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Underground Sand Filter (F-2) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Perimeter Sand Filter (F-3) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Organic Filter (F-4) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Shallow Wetland (W-1) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Extended Detention Wetland (W-2) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Pond/Wetland System (W-3) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Pocket Wetland (W-4) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>
<input type="radio"/> Wet Swale (O-2) .....	<input type="text"/>	<input type="text"/>		<input type="text"/>



33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

Note: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

WQv Provided  
    .     acre-feet

Note: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a).     .

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)?  Yes  No

If Yes, go to question 36.

If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

CPv Required  
    .     acre-feet

CPv Provided  
    .     acre-feet

36a. The need to provide channel protection has been waived because:

- Site discharges directly to tidal waters or a fifth order or larger stream.
- Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

Total Overbank Flood Control Criteria (Qp)

Pre-Development  
    .     CFS

Post-development  
    .     CFS

Total Extreme Flood Control Criteria (Qf)

Pre-Development  
    .     CFS

Post-development  
    .     CFS





### Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name

F	R	A	N	K															
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MI

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Print Last Name

F	A	N	T	E															
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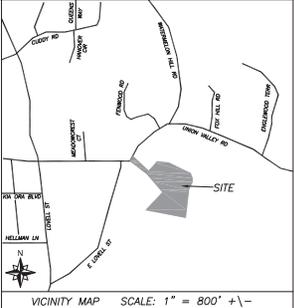
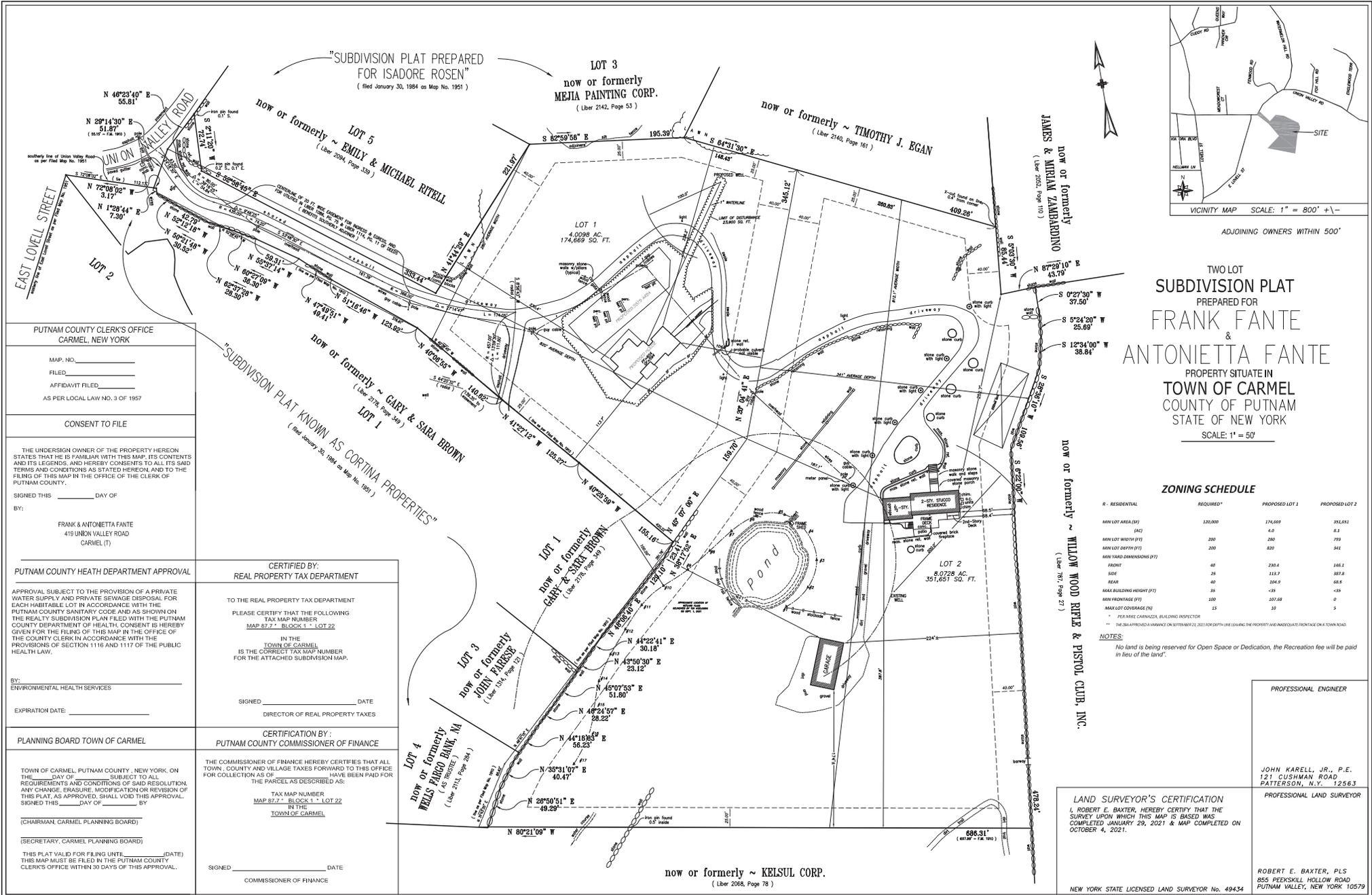
Owner/Operator Signature

<i>Frank Fante</i>																			
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Date

0	9	/	2	1	/	2	0	2	1
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<b>Contract #</b>	<b>Scope of Work</b>	<b>Contract Cost</b>	<b>Bond/BAN Notes as of Oct 2021</b>	
C265	CWD2 Relining Phase I	3,152,200	3,152,200	
C265	CWD2 Relining Phase II	3,248,400	500,000	
C266	CWD2 Water line	589,995	590,000	
C268	Storage Tanks & Rehab	2,624,850	2,624,850	
C275	Classifier/Clarifier/Bar Screen	438,000	300,000	**** funded through district fund balance
		<u>10,053,445</u>	<u>7,167,050</u>	



VICINITY MAP SCALE: 1" = 800' +/-

TWO LOT  
SUBDIVISION PLAT  
PREPARED FOR  
**FRANK FANTE  
&  
ANTONIETTA FANTE**  
PROPERTY SITUATE IN  
**TOWN OF CARMEL  
COUNTY OF PUTNAM  
STATE OF NEW YORK**  
SCALE: 1" = 50'

**ZONING SCHEDULE**

REQUIRED*	PROPOSED LOT 1	PROPOSED LOT 2
R - RESIDENTIAL		
MIN LOT AREA (SQ. AC)	174,669	39,682
MIN LOT WIDTH (FT)	4.0	8.1
MIN LOT DEPTH (FT)	200	793
MIN YARD DIMENSIONS (FT)	200	342
FRONT	40	166.1
SIDE	25	113.7
REAR	40	264.9
MIN BUILDING HEIGHT (FT)	35	<35
MAX FRONTAGE (FT)	100	107.68
MAX LOT COVERAGE (%)	15	5

\* PER ANNE CARRAGIA, BUILDING INSPECTOR  
 \*\* THE 201 APPROVED ZONING ORDINANCE GOVERNING THE PROPERTY AND UNDERLIES THE FRONTAGE ON A TOWN ROAD

**NOTES:**  
 No land is being reserved for Open Space or Dedication, the Recreation fee will be paid in lieu of the land.

**LAND SURVEYOR'S CERTIFICATION**  
 I, ROBERT E. BAXTER, HEREBY CERTIFY THAT THE SURVEY UPON WHICH THIS MAP IS BASED WAS COMPLETED JANUARY 29, 2021 & MAP COMPLETED ON OCTOBER 4, 2021.

ROBERT E. BAXTER, PLS  
 855 PEEKSKILL HOLLOW ROAD  
 PUTNAM VALLEY, NEW YORK 10579  
 NEW YORK STATE LICENSED LAND SURVEYOR No. 49434

PROFESSIONAL ENGINEER  
 JOHN KARELL, JR., P.E.  
 121 CUSHMAN ROAD  
 PATTERSON, N.Y. 12563  
 PROFESSIONAL LAND SURVEYOR

PUTNAM COUNTY CLERK'S OFFICE  
 CARMEL, NEW YORK

MAP NO. \_\_\_\_\_  
 FILED \_\_\_\_\_  
 AFFIDAVIT FILED \_\_\_\_\_  
 AS PER LOCAL LAW NO. 3 OF 1957

CONSENT TO FILE

THE UNDERSIGNED OWNER OF THE PROPERTY HEREON STATES THAT HE IS FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS, AND HEREBY CONSENTS TO ALL ITS SAID TERMS AND CONDITIONS AS STATED HEREON, AND TO THE FILING OF THIS MAP IN THE OFFICE OF THE CLERK OF PUTNAM COUNTY.

SIGNED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_

BY: FRANK & ANTONIETTA FANTE  
 419 UNION VALLEY ROAD  
 CARMEL (T)

PUTNAM COUNTY HEALTH DEPARTMENT APPROVAL

APPROVAL SUBJECT TO THE PROVISION OF A PRIVATE WATER SUPPLY AND PRIVATE SEWAGE DISPOSAL FOR EACH HABITABLE LOT IN ACCORDANCE WITH THE PUTNAM COUNTY SANITARY CODE AND AS SHOWN ON THE REALTY SUBDIVISION PLAN FILED WITH THE PUTNAM COUNTY DEPARTMENT OF HEALTH. CONSENT IS HEREBY GIVEN FOR THE FILING OF THIS MAP IN THE OFFICE OF THE COUNTY CLERK IN ACCORDANCE WITH THE PROVISIONS OF SECTION 1116 AND 1117 OF THE PUBLIC HEALTH LAW.

BY: ENVIRONMENTAL HEALTH SERVICES

EXPIRATION DATE: \_\_\_\_\_

PLANNING BOARD TOWN OF CARMEL

TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK, ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2021, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION, ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT, AS APPROVED, SHALL VOID THIS APPROVAL. SIGNED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_

(CHAIRMAN, CARMEL PLANNING BOARD)  
 \_\_\_\_\_  
 (SECRETARY, CARMEL PLANNING BOARD)  
 \_\_\_\_\_

THIS PLAT VALID FOR FILING UNTIL \_\_\_\_\_ (DATE)  
 THIS MAP MUST BE FILED IN THE PUTNAM COUNTY CLERK'S OFFICE WITHIN 30 DAYS OF THIS APPROVAL.

CERTIFIED BY:  
 REAL PROPERTY TAX DEPARTMENT

TO THE REAL PROPERTY TAX DEPARTMENT  
 PLEASE CERTIFY THAT THE FOLLOWING TAX MAP NUMBER:  
 MAP 87.7 - BLOCK 1 - LOT 22  
 IN THE TOWN OF CARMEL  
 IS THE CORRECT TAX MAP NUMBER FOR THE ATTACHED SUBDIVISION MAP.

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 DIRECTOR OF REAL PROPERTY TAXES

CERTIFICATION BY:  
 PUTNAM COUNTY COMMISSIONER OF FINANCE

THE COMMISSIONER OF FINANCE HEREBY CERTIFIES THAT ALL TOWN, COUNTY AND VILLAGE TAXES FORWARD TO THIS OFFICE FOR COLLECTION AS OF \_\_\_\_\_ HAVE BEEN PAID FOR THE PARCEL AS DESCRIBED AS:

TAX MAP NUMBER  
 MAP 87.7 - BLOCK 1 - LOT 22  
 IN THE TOWN OF CARMEL

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 COMMISSIONER OF FINANCE

"SUBDIVISION PLAT PREPARED FOR ISADORE ROSEN"  
 (filed January 30, 1984 as Map No. 1951)

LOT 5  
 now or formerly ~ EMILY & MICHAEL RITELL  
 (Liber 2094, Page 53)

LOT 2  
 now or formerly ~ GARY & SARA BROWN  
 (Liber 2178, Page 349)

LOT 1  
 now or formerly ~ CORTINA PROPERTIES"  
 (filed January 30, 1984 as Map No. 1951)

LOT 3  
 now or formerly MEJIA PAINTING CORP.  
 (Liber 2142, Page 53)

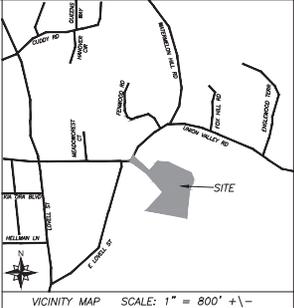
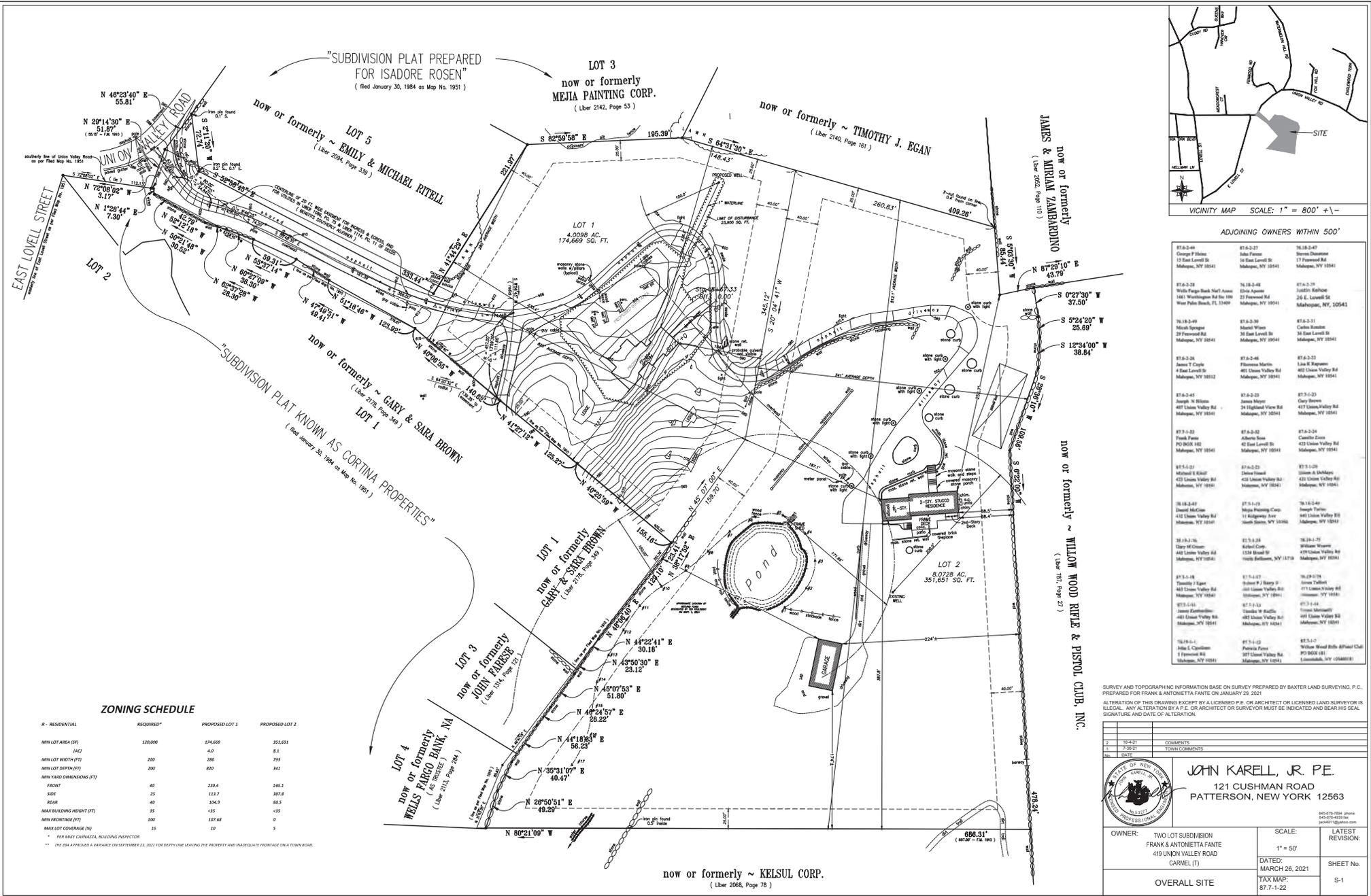
LOT 4  
 now or formerly WELLS FARGO BANK, NA  
 (Liber 2113, Page 284)

LOT 3  
 now or formerly JOHN PARESK  
 (Liber 1014, Page 121)

LOT 1  
 now or formerly GARY & SARA BROWN  
 (Liber 2078, Page 349)

LOT 2  
 now or formerly TIMOTHY J. EGAN  
 (Liber 2140, Page 161)

now or formerly ~ KELSUL CORP.  
 (Liber 2066, Page 78)



ADJOINING OWNERS WITHIN 500'

87-8-2-44 George P. Simon 15 East Lovell St. Mahopac, NY 10541	87-8-2-27 John Farnes 16 East Lovell St. Mahopac, NY 10541	76-18-2-47 Bernie Zimmerman 17 Farnwood Rd. Mahopac, NY 10541
87-8-2-28 Wells Fargo Bank Nat'l Assn 141 Westinghouse Rd. Box 330 West Park Branch, FL 13400	76-18-2-48 Erica Aponso 27 Farnwood Rd. Mahopac, NY 10541	87-8-2-29 Justin Kallio 26 E. Lovell St. Mahopac, NY 10541
76-18-2-49 Michael Wagner 29 Farnwood Rd. Mahopac, NY 10541	87-8-2-30 Michael Wilson 30 East Lovell St. Mahopac, NY 10541	87-8-2-31 Charles Simion 38 East Lovell St. Mahopac, NY 10541
87-8-2-26 James T. Cayle 401 Union Valley Rd. Mahopac, NY 10541	87-8-2-32 Filomena Marini 401 Union Valley Rd. Mahopac, NY 10541	87-8-2-33 Lara K. Marini 401 Union Valley Rd. Mahopac, NY 10541
87-8-2-41 Joseph M. Rillano 407 Union Valley Rd. Mahopac, NY 10541	87-8-2-33 James Meyer 34 Highland Ave. Rd. Mahopac, NY 10541	87-8-2-33 Cory Brown 417 Union Valley Rd. Mahopac, NY 10541
87-8-1-22 Frank Farnes PO BOX 102 Mahopac, NY 10541	87-8-2-32 Alberto Simon 42 East Lovell St. Mahopac, NY 10541	87-8-2-24 Charles Simon 423 Union Valley Rd. Mahopac, NY 10541
87-8-1-21 Michael R. Kiser 423 Union Valley Rd. Mahopac, NY 10541	87-8-2-25 Doreen M. DeLuca 423 Union Valley Rd. Mahopac, NY 10541	87-8-2-25 James A. DeLuca 423 Union Valley Rd. Mahopac, NY 10541
76-18-2-42 David McCann 432 Union Valley Rd. Mahopac, NY 10541	87-8-1-19 Joseph Farnes 11 Midway Ave. Mahopac, NY 10541	76-18-2-41 Joseph Farnes 401 Union Valley Rd. Mahopac, NY 10541
76-18-2-36 Eugene M. Simon 444 Union Valley Rd. Mahopac, NY 10541	87-8-2-24 Richard M. Simon 1324 Wood St. Yonkers, NY 10541	76-18-2-37 William Weaver 491 Union Valley Rd. Mahopac, NY 10541
87-8-1-18 Timothy J. Egan 443 Union Valley Rd. Mahopac, NY 10541	87-8-1-17 Ernest J. Barry II 443 Union Valley Rd. Mahopac, NY 10541	76-18-2-38 Ernest J. Barry II 443 Union Valley Rd. Mahopac, NY 10541
87-8-1-16 James Giamberini 443 Union Valley Rd. Mahopac, NY 10541	87-8-1-12 Stanley W. Radcliffe 443 Union Valley Rd. Mahopac, NY 10541	87-8-1-14 Ernest Mammola 443 Union Valley Rd. Mahopac, NY 10541
76-18-2-1 John S. Capizzano 443 Union Valley Rd. Mahopac, NY 10541	87-8-1-12 Patricia Farnes 307 Union Valley Rd. Mahopac, NY 10541	87-8-1-7 William Wood Bldg. Assoc. Club 1 Unionville, NY 10541

**ZONING SCHEDULE**

R - RESIDENTIAL	REQUIRED*	PROPOSED LOT 1	PROPOSED LOT 2
MIN LOT AREA (SQ. AC)	120,000	174,609	351,603
MIN LOT WIDTH (FT)	200	280	393
MIN LOT DEPTH (FT)	200	820	341
MIN YARD DIMENSIONS (FT)			
FRONT	40	204.4	146.1
SIDE	25	112.7	89.8
REAR	40	104.9	66.5
MAX BUILDING HEIGHT (FT)	35	<35	<35
MIN FRONTAGE (FT)	100	107.62	0
MAX LOT COVERAGE (%)	35	10	5

\* FOR MAJOR GARAGES, BUILDING INSPECTOR  
\*\* THE ZBA APPROVED A VARIANCE ON SEPTEMBER 22, 2021 FOR DEPTH LEAVING THE PROPERTY AND INADEQUATE FRONTAGE ON A TOWN ROAD.

now or formerly ~ KELSUL CORP.  
(Liber 2066, Page 78)

SURVEY AND TOPOGRAPHIC INFORMATION BASE ON SURVEY PREPARED BY BAXTER LAND SURVEYING, P.C. PREPARED FOR FRANK & ANTONIETTA FANTE ON JANUARY 25, 2021. ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL. ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL, SIGNATURE AND DATE OF ALTERATION.

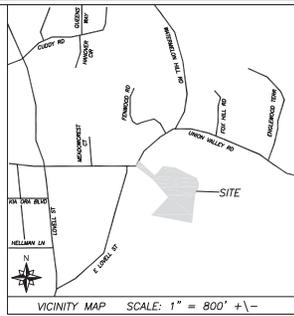
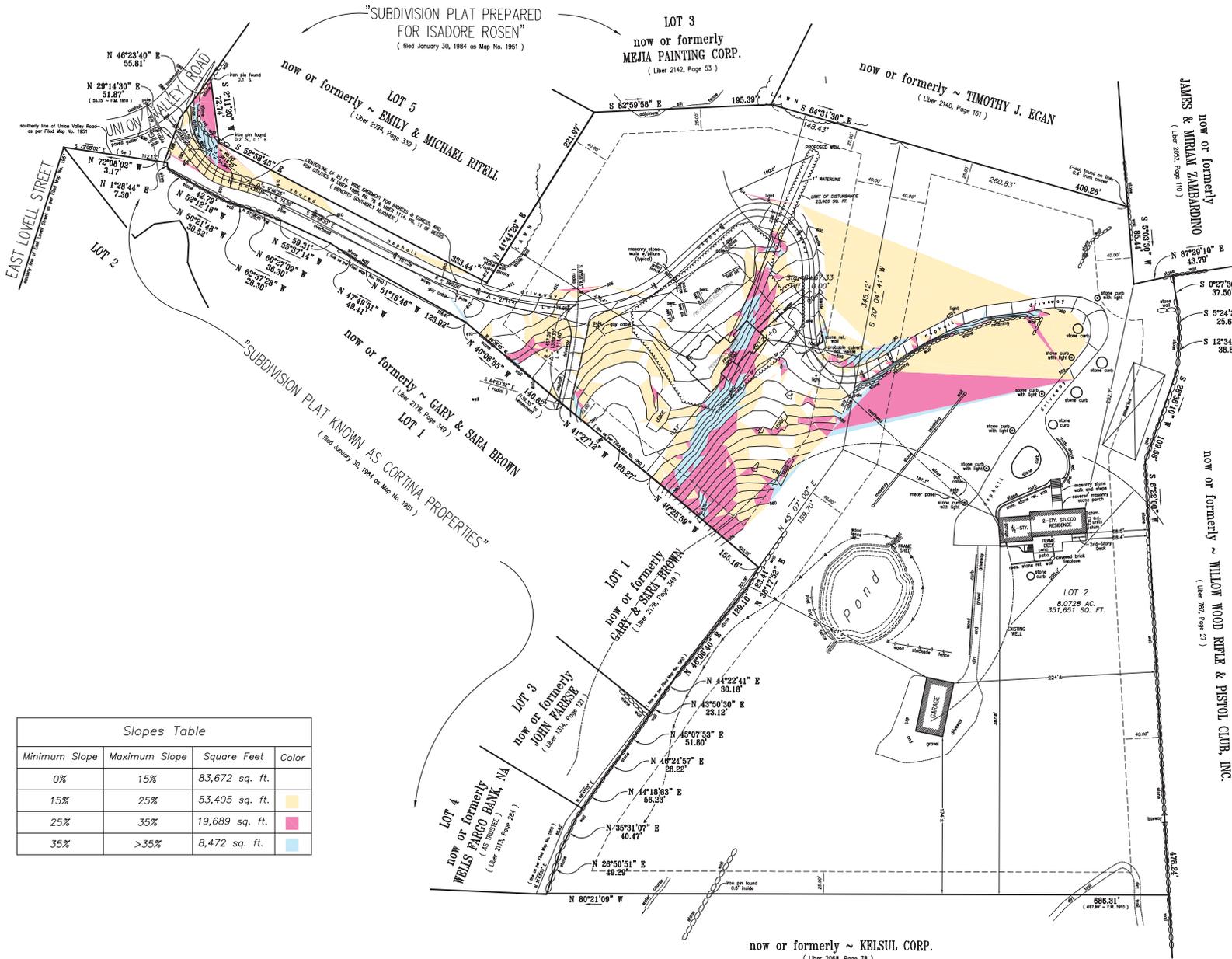
2	10-21-21	COMMENTS	
3	7-30-21	TOWN COMMENTS	
4	DATE		

**JOHN KARELL, JR. P.E.**  
121 CUSHMAN ROAD  
PATTERSON, NEW YORK 12563

OWNER: TWO LOT SUBDIVISION  
FRANK & ANTONIETTA FANTE  
419 UNION VALLEY ROAD  
CARMEL (T)

SCALE: 1" = 50'  
DATED: MARCH 26, 2021  
TAX MAP: 87.7-1-22

LATEST REVISION: SHEET No. S-1



Minimum Slope	Maximum Slope	Square Feet	Color
0%	15%	83,672 sq. ft.	
15%	25%	53,405 sq. ft.	Yellow
25%	35%	19,689 sq. ft.	Pink
35%	>35%	8,472 sq. ft.	Blue

SURVEY AND TOPOGRAPHIC INFORMATION BASE ON SURVEY PREPARED BY BAXTER LAND SURVEYING, P.C. PREPARED FOR FRANK & ANTONIETTA FANTE ON JANUARY 25, 2021. ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL. ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL, SIGNATURE AND DATE OF ALTERATION.

NO.	DATE	COMMENTS
1	1/25/21	TOTAL COMMENTS
2		
3		
4		

**JOHN KARELL, JR. P.E.**  
 121 CUSHMAN ROAD  
 PATTERSON, NEW YORK 12563

OWNER: TWO LOT SUBDIVISION  
 FRANK & ANTONIETTA FANTE  
 419 UNION VALLEY ROAD  
 CARMEL (T)

SCALE: 1" = 50'

DATED: MARCH 26, 2021

TAX MAP: 87.7-1-22

LATEST REVISION: S-3

SHEET NO. S-3

now or formerly ~ KELSUS CORP.  
 (Liber 2066, Page 78)



September 29, 2021

Town of Carmel Planning Board  
60 McAlpin Avenue  
Mahopac, New York 10541

RE: Amended Site Plan  
Hamlet at Carmel  
TM# 66.-2-58

Dear Chairman Paepre and Members of the Board:

Please find enclosed the following plans and documents in support of an application for an amended site plan approval for the above referenced project:

- Ten (10) sheet Amended Site Plan Set, dated September 29, 2021. (5 copies)
- Project Comparison Figure (CF-1), dated September 29, 2021. (5 copies)
- Amended Stormwater Pollution Prevention Plan, revised September 29, 2021. (11 copies)
- Water and Wastewater Report, dated September 29, 2021. (11 copies)
- Architectural Plans and Elevations prepared by Coppola Associates, dated September 24, 2021 (5 copies)
- Hamlet at Carmel Community Services EAF Excerpt, School District Information plus Fiscal Analysis, provided by Tim Miller Associates, dated September 29, 2021. (11 copies)
- HCR Funding Application & Project Financial Information provided by the applicant. (11 copies)

The applicant seeks amended site plan approval for 150 units of multifamily housing development in accordance with Town Code §156-28. Note that the responses provided in this letter will be incorporated into a revised Expanded EAF document, including updated traffic data and analysis, which will be provided with a future submission.

In response to the comments received from Director of Code Enforcement, Michael Carnazza, dated July 27, 2021, we provide the following response:

1. Per the Town code definition of a "Story," a "basement shall be deemed to be a story when the finished floor immediately above is seven feet or more above the average elevation of the finished grade." In the cases where there is an exposed basement for a portion of the building, in no case is the average grade greater than 7' lower than the floor elevation of the first floor. For Building 4 the average grade is approximately 5' below finished floor. For Building 5 the average grade is approximately 5.5' below the finished floor. For Buildings 6 & 7 the average grade is approximately 5.5' below finished floor. For building 8 the finished floor is approximately 3' below finished floor. And, on Building 9 the average grade sits approximately 2.5' below finished floor. Therefore, all buildings are two stories according to the zoning code.

The buildings also all meet the requirement of a maximum height of 35'.

2. Stormwater will be managed as depicted on drawing SP-3 of the Site Plans. A collection system has been designed with drain inlets, catch basins, yard drains, and roof and footing drains that will be conveyed to stormwater basins to the west of the site.

In response to the comments received from Town Planner, Patrick Cleary, dated July 28, 2021, we provide the following responses:

1. This comment is noted.
2. The applicant has indicated that middle-income funding is not applicable to this development. It is most applicable to transitional neighborhoods in Urban Areas. Affordable housing is provided as a community benefit to provide housing for community service workers, ie fire, police, teachers, municipal workers etc. It also enables families starting out to remain in their community prior to purchasing a home and provides housing for others on a limited income. Eligibility must be established, and is typically based upon the Income Limit guidelines as published by the Housing and Urban Development (HUD) annually and are based upon a percentage of the Area Median Income or AMI. In Putnam County, which is part of the NY HUD Metro FMR Area, the 2021 AMI is \$81,700. This area also considered to be an area of High Housing Cost which provides an adjustment from the income limit being a straight percentage of the AMI. The Income Limits also vary depending upon housing size, calculations are done based on a family size of four persons and adjusted up or down as needed.

Of the 75 units of affordable housing being proposed 57 of the units will be affordable to households whose income is 60% of the AMI, adjusted for High Housing Cost. The 2021 AMI for Putnam County is set at \$81,700, thus a family of four that would be eligible for a unit restricted to a 60% AMI would have an income limit of about \$69,000.

An additional 9 affordable units will have income limits to be affordable to households whose income is between 80-90% AMI. These units will serve households with incomes up to approximately \$99,000.

Normally households that can afford the housing costs on an income of 60% of the AMI guidelines, depending upon family size, would be considered in the midrange of affordable rental values. However, in the NY HUD Metro FMR Area, based on the High Housing Cost adjustment the Income limits tend to be higher.

Currently, HCR has a policy to allow for a preference for essential workers on a number of the units. The applicant has requested a 15% or 12 units have an occupancy preference for essential workers subject to HCR approval.

3. This comment is noted.
4. The applicant has indicated that the number of affordable units proposed under the NYS Homes and Community Renewal program requirements are set, no changes are anticipated. This statement of flexibility was included to allow for any necessary adjustments to the site plan, which are typical during the site plan approval process. No additional changes are anticipated and this statement can be removed from the EAF at the Board's discretion.
5. The HCR funding application is herewith submitted for the Board's review.
6. The EAF language will be revised to state "According to the US Census, the Town of Carmel 2010 population was 34,305 persons. ESRI demographic forecasts indicate this population declined to 34,113 persons by 2020. The current ratio of Town of Carmel police officers (35) to population (34,113) is within the ULI recommended standard of 1 officer to 1,000 persons."
7. The office of Tim Miller Associates has indicated that, based upon location the response time is estimated to be 5 minutes, this language will be added to the EAF text.
8. The office of Tim Miller Associates has indicated that, demand for community services is the same for residents of market rate housing and residents of affordable housing. There is no distinction.
9. The office of Tim Miller Associates has indicated that, demographic multipliers published by the Rutgers University Center for Urban Policy Research (CUPR) were used to project the future population of the proposed Hamlet at Carmel community. Population projections are based upon the

geographic region, type of unit, number of bedrooms, and the anticipated rental value. Although there are other published demographic multipliers, the CUPR multipliers are more specific because they are calculated based upon the specifics of geographic location, bedroom count and unit type. The researchers, Burchell and Listoken are considered the experts in demographic projections and the CUPR multipliers are considered the standard in this field of study. The multipliers have been widely used and found to be reliable.

10. The office of Tim Miller Associates has indicated that the trip generation rates are determined by the Trip Generation Manual (ITE, 10th edition, 2017). The residential trip generation rates do not consider bedrooms per unit, but rather building type. In developing trip generation rates, there is substantially more data using dwelling units as compared to using residents. For example, the low-rise multi-family rate using residents is based on a single study for the a.m. peak hour of traffic compared to 42 studies using dwelling units. Furthermore, while dwelling units are a distinct number, the residents would need to be estimated depending upon the bedroom count. Similarly, the mid-rise multifamily rates using residents are based on only two or three studies. Therefore, the use of dwelling units for trip generation is generally a more acceptable variable to use.

As shown in Table 3.3 of the Expanded EAF, the proposed development will have 72 units in multi-family low rise buildings (2-story) and 78 units in mid-rise buildings (2.5 story). The low-rise buildings have a slightly higher trip generation rate (trips per dwelling unit) than mid-rise buildings. Therefore, if more of the buildings were low-rise (1 to 2-stories) then the overall project trip generation rates would be slightly higher than presented. As described in the Expanded EAF, the taller buildings in the current plan were proposed to reduce the development footprint of the project. The building type proposed is not expected to change and therefore the estimated trip generation is likely to remain unchanged.

11. The office of Tim Miller Associates has indicated that in order to determine the added seconds of delay for certain movements through the studied intersections, current traffic counts would be collected, and each movement would be analyzed for the Level-of-Service with the new existing, no-build and build conditions. Essentially the 2007 traffic study would be updated. Following discussions with Mr. Patrick Cleary, the Planning Board's Consultant Planner, the applicant has scheduled traffic counts at the Drewville Road and Stoneleigh Avenue intersection during the final two weeks of September. The results are not yet available. Generally, traffic counts are collected when schools are back in session and outside of any holidays. Therefore, the second half of September was the appropriate period to collect traffic counts, and not earlier.

Current traffic volumes can be assessed and compared to the 2007 traffic volumes. If the current volumes are substantially higher, then a full traffic analysis of the three intersections studied in 2007 would be completed. If the traffic volumes are stable or declining, then an assessment will be completed regarding how the traffic from the project may affect each intersection. The current traffic counts and further analysis will be provided to the Planning Board and shared with Putnam County Department of Highways and Facilities.

NYSDEC recognized the Institute of Transportation recommended practice by setting a minimum 100 vehicle threshold to eliminate unnecessary capacity analysis as delays are not substantial unless the intersection is already operating under congested conditions.

12. The office of Tim Miller Associates has indicated that long-term trends related to the pandemic affecting remote working and resulting traffic conditions are being studied by planning and transportation professionals nationwide. Upwork, a large human resource marketplace completed a survey of over 1000 hiring managers in December of 2020. At that time 41.8 percent of the workforce was still working remotely. The survey findings indicate that by 2025 remote workers will be approximately 22 percent of the workforce (36.2 million), as compared to 12 percent of the workforce (19.4 million) prior to the pandemic. This is an 87 percent increase from pre-pandemic to post-pandemic conditions. These estimates will vary by region, locality, and type of work but the trend is towards increased remote work opportunities. With such large shifts in work and commuting habits, it is likely that less commuter trips will occur during peak traffic periods in the near future.

13. The proposed site disturbance and the area of impervious surface for the current plan are provided on page 2-2 of the Expanded EAF. The current plan would result in approximately 20.3 acres of disturbance and 6.1 acres of impervious surface. This is a substantial reduction from the 2008 plan which involved approximately 23.9 acres of disturbance and 6.3 acres of impervious surface.
14. The project proposes water usage of approximately half of the flow allocation provided in the Out of Water District Agreement. For more information see the attached Water and Wastewater Report.
15. The project proposes water usage of approximately half of the flow allocation provided in the Out of Water District Agreement. For more information see the attached Water and Wastewater Report.
16. Stormwater will be managed as depicted on drawing SP-3 of the Site Plans. A collection system has been designed with drain inlets, catch basins, yard drains, and roof and footing drains that will be conveyed to stormwater basins to the west of the site.
17. See attached revised excerpts from the EAF Community Services Section.
18. A visual analysis was conducted for the 2008 site plan and is documented in the DEIS. The Findings Statement provided the following conclusions regarding potential visual impacts:

*Construction of the project as proposed will remove some 25.3 acres of existing woods and successional field along the back (east) and central portions of the site and replace it with buildings, pavement, and new plantings, thus creating a change to the visual character of the site. The buildings will be situated on the east side and in the central portion of the property along and on the west side of the ridge between two lobes of the Croton Falls Reservoir. Stormwater detention basins will be site further down slope toward Stoneleigh Avenue and near the intersection of the access road with Stoneleigh Avenue.*

*Given the orientation of the project site on the west side of a ridge, the lack of residences and other visual receptors in the immediate vicinity, the presence intervening woodland vegetation and the variability of the local topography, visibility of the site from local vantage points is notably limited. The potential viewshed of the project site, due to its higher topographic position in the landscape, includes West Shore Drive to the west and Lower Mine Road and Reservoir Road to the east, although the views are also obscured by existing trees. The most direct view to the site is from the Croton Falls Reservoir itself, which provides an open view across the water to the site from the east and west.*

The current site plan would result in the clearing of trees and residential development in generally the same area as the 2008 plan but with a smaller footprint (5.0 acres less disturbance) and greater preservation of existing trees at the edges of the development. The current plan would include 2 to 2.5 story multifamily buildings instead of the two-story cottage buildings proposed in the 2008 plan. Therefore, the height of building rooflines at the higher elevations of the property would be greater than the previous 2008 site plan. The DEIS and Findings Statement indicated the proposed building rooflines would be visible from certain vantage points in the vicinity of the site, but mostly softened or obscured by existing vegetation around the development. These conditions would remain with the current site plan.

In response to the comments received from Town Engineer, Richard Franzetti, PE, dated July 22, 2021, we provide the following responses:

**I. General Comments:**

1. This comment is acknowledged.
2. This comment is acknowledged.
3. An Existing Conditions Plan, Drawing EX-1, has been added to the site plan set.

4. A standalone figure of the current and previous proposals has been provided.
5. The office of Tim Miller Associates has indicated that a review of the Findings for the original SEQRA process confirms that no wetlands were found on the site during the previous review. A wetland scientist from Tim Miller Associates re-visited the site on September 23, 2021 and confirmed that this is still the case. The regulated areas on site consist of a series of intermittent watercourses that drain the lower part of the property (primarily during rain events), carrying runoff from the higher elevations to the rock wall along Stoneleigh Avenue. This collected water then filters through the rock wall into the drainage system along Stoneleigh, crossing under the road in several locations and ultimately to the Croton Falls Reservoir. These watercourses have been mapped and confirmed by the New York City DEP. For the most part the channels are wide and poorly defined, but clearly carry flows during and immediately after storm events. No hydric soils or a dominance of hydrophytic vegetation were observed.
6. The Water and Wastewater report has been updated based on comments received from the Town Engineer. The applicant will obtain Town board approval to amend the current water & sewer agreements, lowering the capacity allowance from 72,000 gallons per day to 32,230 gallons per day.
7. There is currently General Permit Coverage for the previously proposed project. As such, the original SWPPP remains valid. The SWPPP has been amended to address the current proposal.
8. Following discussions with Mr. Patrick Cleary, the Planning Board's Consultant Planner, the applicant has scheduled traffic counts at the Drewville Road and Stoneleigh Avenue intersection during the final two weeks of September. The results are not yet available. Generally, traffic counts are collected when schools are back in session and outside of any holidays. Therefore, the second half of September was the appropriate period to collect traffic counts, and not earlier.

Current traffic volumes can be assessed and compared to the 2007 traffic volumes. If the current volumes are substantially higher, then a full traffic analysis of the three intersections studied in 2007 would be completed. If the traffic volumes are stable or declining, then an assessment will be completed regarding how the traffic from the project may affect each intersection. The current traffic counts and further analysis will be provided to the Planning Board and shared with Putnam County Department of Highways and Facilities.

9. This comment is noted.
10. This comment is noted.

## II. Detailed Comments:

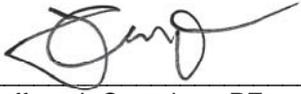
1. See Response to Comment 8, above.
2. Overall Site Plan
  - a. A vehicle maneuvering plan has been added to drawing SP-1 for the existing entrance drive, and an additional maneuvering plan has been added to drawing D-2 for maneuvers within the project site.
  - b. Turning radii for the fire truck that is modeled is depicted in a diagram on drawings SP-1 and D-2.

- c. The slope at the entry to the site has been identified on drawing SP-3. The entrance to the site is an extension of an existing road through the Putnam Hospital site which follows the existing grade up into the subject property at about 10%. The roadways flatten to between 1.5% and 5% around the proposed buildings and the internal connecting driveways have maximum slopes of 8%.
3. It is understood that the site landscaping will be reviewed by the Town Wetland Inspector.
4. Rim and invert elevations and hydraulic sizing calculations for proposed drainage structures will be provided in a future submission. The proposed water and sewer infrastructure have been shown on Drawing SP 3.
5. Rim and invert elevations for the drainage system will be provided on the Grading and Utilities Plan in future submissions. An Amended SWPPP has been enclosed herewith. The extents of each phase of construction are shown on Drawing SP-4. The planimetric information and details are provided throughout the 10-sheet drawing set.
6. These comments have been addressed.
7. An amended SWPPP has been provided.

Regarding a question that was raised regarding school bus access, the board should be aware that discussions are underway with the Transportation Division of the Carmel Central School District (CCSD) to identify a practical access plan for transportation of school age children. Based on a preliminary meeting with CCSD a bus shelter and pickup location has been shown in the northern area of the site.

Please place the project on the October 14 Planning Board agenda for a discussion with the Board. Should you have any questions or comments regarding this information, please feel free to contact our office.  
Very truly yours,

INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

By:   
\_\_\_\_\_  
Jeffrey J. Contelmo, PE  
Senior Principal Engineer

JJC/adt/amk

Enclosures (all via email)

cc: Ken Kearney  
Sean Kearney  
Jon Dahlgren  
Mario Salpepi  
Charles Martabano, Esq.

Insite File No. 14211.100

**The Hamlet at Carmel**  
(Formerly The Putnam Community Foundation)  
**Amended Stormwater Pollution Prevention Plan (ASWPPP)**  
**Town of Carmel, New York**  
**September 29, 2021**

## 1.0 INTRODUCTION

The Hamlet at Carmel (HAC) project is proposed on a 35 ± acre parcel of vacant land designated as Town of Carmel Tax Map Parcel #66.-2-58. Access to the HAC project is provided through the adjoining Putnam Hospital Center (PHC) property to the north. The hospital parcel is designated as Town of Carmel Tax Map Parcel #66.-2-57. The subject parcels are located in the R (residential) zoning district. The parcels and their surroundings are delineated on the Overall Site Plan.

A SWPPP approval was obtained for the subject project (formerly known as The Putnam Community Foundation) from the NYCDEP on March 23, 2010, with the most recent renewal dated November 18, 2019, valid through March 23, 2025. The approved SWPPP is titled “Stormwater Pollution Prevention Plan for The Putnam Community Foundation” and dated March 9, 2010. This document is a supplement to the approved SWPPP. The previously proposed project consisted of 120 single bedroom senior housing units, access driveway, sports court, community building and parking. The current proposed project for the project site consists of the construction of a multifamily residential development of ten (10) buildings totaling 150 units and associated parking, recreation and utility areas. The current project scope is proposed to consist of less impervious cover and disturbance on the project site than the previously approved project.

The project received coverage under the New York State Department of Environmental Conservation General Permit GP-0-10-001. The identification number is NYR11C513. As noted in Part II.E of GP-0-20-001, “owner operator of a construction activity with coverage under GP-0-15-002, as of the effective date of GP-0-20-001, shall be authorized to discharge in accordance with GP-0-20-001, unless otherwise notified by the Department”. The permit also notes that “the owner or operator may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization”. The current stormwater design will meet the requirements for stormwater treatment in accordance with the General Permit GP-0-10-001.

The following sections of this report have been prepared to address the proposed site changes from the approved SWPPP for The Hamlet at Carmel from the approved Putnam Community Foundation project and assess the stormwater management practices within the framework of the previously approved SWPPP.

## 2.0 STORMWATER ASSESSMENT

This section of the SWPPP amendment discusses the proposed modifications from the approved SWPPP to the current proposed project. As previously discussed, the proposed site development has been modified from the approved SWPPP. The overall general layout of the site has not changed but proposed development has changed from 120 senior housing units to the construction of a multifamily residential development including ten (10) buildings totaling 150 units and associated appurtenances. The type and number of stormwater management practices as approved in the SWPPP prepared for The Putnam Community Foundation (PCF) project have not been altered.

The approved PCF project consisted of 7.7 acres of 1/8 acre lots (65% impervious) and 1.3 acres of impervious surfaces associated with the proposed driveway, parking areas and appurtenances. The Hamlet at Carmel development proposes a decrease in impervious area from the approved SWPPP. The project also proposes to decrease the overall limit of disturbance associated with the development from the approved SWPPP. See table below for a comparison between the overall impervious area and limit of disturbance for the approved PCF project and the Hamlet at Carmel development.

**Table 2.1 – Impervious Area and Limit of Disturbance Summary Table**

	<b>Approved SWPPP</b>	<b>Amended SWPPP</b>
Overall Proposed Impervious Area (ac.)	6.3	6.1
Overall Proposed Limit of Disturbance (ac.)	23.9	20.3

As the project site is mostly wooded, by reducing the overall limit of disturbance for the subject project, the proposed tree removal for the project will decrease as well. By decreasing the tree removal and proposed impervious for the subject project, the stormwater runoff from the site will decrease which will reduce the water quality treatment volumes required for stormwater management. With less impervious area for the subject project, the water quality and quantity requirements for stormwater treatment will be reduced from the approved SWPPP, thereby decreasing the required size of the proposed stormwater management practices. As the proposed stormwater management practices have not been altered and the stormwater quality and quantity treatment requirements have been reduced, the approved stormwater management practices are adequate to treat the stormwater runoff from the proposed Hamlet at Carmel development in accordance with the NYCDEP and NYSDEC requirements during the time of the original approval.

### **3.0 CONCLUSION**

The proposed stormwater management practices sized for the original scope of the approved SWPPP for the Putnam Community Foundation project and are adequately sized and potentially even oversized for the proposed modifications to the site improvements for The Hamlet of Carmel project. Reduction of the proposed stormwater management practices may be practical and will be addressed at a later date. As previously stated, the proposed modifications have no impact on the approved stormwater management practices on the project site and all modifications meet the requirements of the NYCDEP and NYSDEC within the framework of the original approved SWPPP.



## **WATER AND WASTEWATER ENGINEERING REPORT**

**For**

**The Hamlet at Carmel  
Stoneleigh Avenue  
Town of Carmel, New York**

**September 29, 2021**

Prepared By

Insite Engineering, Surveying & Landscape Architecture, P.C.  
3 Garrett Place  
Carmel, New York 10512

## 1.0 INTRODUCTION

The Hamlet at Carmel (HAC) project is proposed on a 35 ± acre parcel of vacant land designated as Town of Carmel Tax Map Parcel #66.-2-58. Access to the HAC project is provided through the adjoining Putnam Hospital Center (PHC) property to the north. The hospital parcel is designated as Town of Carmel Tax Map Parcel #66.-2-57. The subject parcels are located in the R (residential) zoning district. The parcels and their surroundings are delineated on the Overall Site Plan.

Previous Wastewater Collection System and Water Main Extension Approvals were obtained from the Putnam County Health Department (PCDOH) on March 22, 2010, for the subject project (formerly known as The Putnam Community Foundation) for a design flow of 14,400 gpd. The approvals are valid through March 16, 2026. A sewage collection system approval was also obtained from the NYCDEP on March 24, 2010 for a design of flow of 14,400 gpd. The approval is valid through January 15, 2025. All prior approvals for the Putnam Community Foundation project were granted for a 120 single bedroom unit senior housing development with a total proposed design flow of 14,400 gpd. The current property owner proposes to construct one hundred and fifty (150) housing units with a total bedroom count of 293 (average of less than 2 bedrooms/unit), for which design flow calculations are provided in section 2.0. This report addresses the water and wastewater system sizing, connections and components proposed to accommodate the Hamlet at Carmel project (formerly known as the Putnam Community Foundation).

Out of District Service Agreements for Water and Sewer Service Agreements for the property were executed in July of 2002 for 72,000 gpd. The agreements included payment of back capital charges. The agreements far exceed the currently proposed design flows. The applicant will obtain Town Board approval to amend the current water and sewer agreements, lowering the capacity allowance from 72,000 gpd to 32,230 gpd.

## 2.0 PROJECT DESIGN FLOWS

The average daily design flow for the project is based on the hydraulic loading rates listed in the Putnam County Department of Health Bulletin CS-31. For domestic water and residential wastewater uses, Bulletin CS-31 references the loading rates given in the New York State Department of Environmental Conservation's (NYSDEC) publication *Design Standards for Wastewater Treatment Works – 1988* (DSWTF). The NYSDEC has issued an updated document entitled *New York State Standards for Intermediate Sized Wastewater Treatment Systems - March 2014*, which was utilized to determine the subject project's design flows. The following table lists the proposed use, associated hydraulic loading rate, and the design flow rate (gallons per day or gpd) for the project. The NYSDEC publication specifies three hydraulic loading rates for the proposed use depending on the age of the plumbing fixtures, the table below specifies a hydraulic loading rate based on the use of post 1994 plumbing fixtures.

**MAXIMUM DAILY DESIGN FLOW**

Proposed Use	Hydraulic Loading Rate	Average Daily Design Flow (gpd)
293 Bedrooms	110 gpd/unit	32,230 gpd
<b>Total</b>	-	<b>32,230 gpd</b>

As noted in the table below, the Hamlet at Carmel design flow is less than half of the flow allotted for the property by the Out of District User Agreement.

The actual daily flow for the project is expected to be significantly less than the design average daily design flow. The design maximum daily flows represent conservative flows to ensure that the proposed water works are designed with an ample factor of safety. The anticipated actual flows are based

on anticipated occupancy rates and measured data for water use. The expected number of residents anticipated for the project is 372. Data from the American Water Works Association (AWWA) shows that the average in home water use is 69 gpd per person. This number is reduced to 45 gpd per person when water saving fixtures are used, which is the case for this project. Based on a projected population of 372, the average daily flow is anticipated to be 16,740 gpd.

### SUMMARY OF FLOWS

Proposed Use	Daily Design Flow (gpd)
Out of District User Agreement	72,000 gpd
Previous Approval	14,400 gpd
Current Application (HAC)	32,230 gpd

Though the flows are anticipated to be less than the Maximum Daily Design Flow (MDF), the MDF will be used for system sizing.

The peak hourly flow for domestic water is calculated using a peaking factor that is based on the population of the subject project. *Recommended Standards for Wastewater Facilities - 2014*<sup>1</sup> was used to determine a peaking factor of four.

#### Peak Hourly Flow

$$33,000 \text{ gpd} \div (24 \text{ hr/day}) \div (60 \text{ min/hr}) = 23 \text{ gallons per minute (gpm)}$$

$$\text{Peak Hourly Flow} = 23 \text{ gpm} \times 4 \approx \mathbf{92 \text{ gpm}}$$

The fire sprinkler demand for this style of apartment building is typically between 350 gpm to 450 gpm. To confirm the available flow is not exceeded a 500 gpm allowance for a fire sprinkler system is analyzed below. Final sprinkler demands will be confirmed by the fire protection engineer.

### 3.0 PROPOSED CONNECTION TO CARMEL WATER DISTRICT #2

An Out of District Water Service Agreement made between Carmel Water District # 2 (CWD #2) and the previous owner of the subject property was executed on July 9, 2002. In which CWD # 2 agreed to supply up to 72,000 gallons of water per day to the subject property to accommodate 240 two (2) bedroom senior housing units, far exceeding the design flows generated by the current proposal.

The project will connect to CWD #2 by a connection to the existing 10" water line, which provides service to the Putnam Hospital Center (PHC). This water line will connect to CWD #2 water main along Stoneleigh Avenue. The connection to PHC water line will be made through an existing easement between the PHC and The Hamlet at Carmel in favor of The Hamlet at Carmel.

RSWW recommends that the normal working pressure not be below 35 psi, and both the Recommended Standards for Water Works (RSWW) and the American Water Works Association (AWWA) M31 recommend that a minimum of 20 psi be maintained at all points in the water distribution system during fire flows.

A flow test on the existing water main in Stoneleigh Avenue was performed on May 3, 2009, by Insite Engineering, Surveying & Landscape Architecture, P.C. The test yielded a static pressure of 165 psi and a residual pressure of 65 psi at the observation hydrant at a flow of 1,405 gpm. More recent hydrant flow data will be sought to confirm system conditions.

<sup>1</sup> Published by the Great Lakes – Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers  
wwer14211

The static pressure at the highest point in the proposed project is calculated by finding the change in pressure head between the observation hydrant (372.0 ft) and the high point in the system (516.0 ft) and converting it to psi.

$$165 \text{ psi} - (516.0 \text{ ft} - 372.0 \text{ ft}) / 2.31 \text{ ft/psi} = 103 \text{ psi}$$

Since the static pressure is greater than the RSWW 60 to 80 psi recommended working pressure range, pressure-reducing valves will be necessary.

The total flow in the water system consists of existing and proposed flows. The existing hospital center calculated peak flow of 180 gpm and the estimated peak flow to the existing residential development across Stoneleigh Avenue of 55 gpm are combined with the proposed domestic and fire flow for the HAC. The Hamlet at Carmel design flow consists of 92 gpm domestic flow with a fire flow of 500 gpm. This results in a total combined design flow of 827 gpm.

The equation below is taken from AWWA M17. The equation is used to calculate differences in the residual pressure that would result from different flow rates. Here the equation is used to calculate the residual pressure (at the observation hydrant) at the total combined design flow (827 gpm) using the pressures and flow rates measured during the flow test.

$$Q_R = Q_F * h_r^{0.54} / h_f^{0.54}$$

Where:

- $Q_R$  = total combined design flow (827 gpm)
- $Q_F$  = flow from hydrant during test (1,405 gpm)
- $h_r$  = the difference in pressure between the static pressure measured at the observation hydrant and the residual pressure at the total combined flow
- $h_f$  = the difference between the static pressure and residual pressure measured at the observation hydrant during the flow test, (100 psi)

$$827 \text{ gpm} = 1,405 \text{ gpm} * h_r^{0.54} / 100 \text{ psi}^{0.54}$$

$$h_r = 37 \text{ psi}$$

Now that we have calculated the difference between the static and residual pressures for the total combined design flow (801 gpm), we can calculate the residual pressure at the observation hydrant using the static pressure measured at the observation hydrant as follows:

$$165 \text{ psi} - 37 \text{ psi} = 128.0 \text{ psi}$$

This pressure will be input at the observation hydrant in the EPANET 2 model described below.

An EPANET 2 model was developed for the distribution system. Important parameters to developing the model included assigning the proper elevation and water demand to the nodes representing the hospital, the existing residential area and the proposed development. Additionally, values for pipe length, diameter, and friction were assigned to the links representing the existing and proposed water mains. The EPANET 2 schematic model, along with pipe flows and pressures can be found in Appendix.

The model was exercised with the total combined design flow of 827 gpm and a pressure of 130.0 psi at the observation hydrant. The unit with the highest fixture corresponds to the unit that is farthest from the existing hydrant. The model showed that under the fire flow conditions this unit would have a pressure of 55 psi at its highest fixture. The flow meter is not modeled in EPANET 2. An additional 3 psi loss will occur in the flow meter at a flow of 592 gpm. The head loss for the meter pit components is taken from the manufacturer's information sheets found in Appendix B. When the meter pit is taken into account, the pressure under fire flow conditions at the highest fixture is 52 psi. This is greater than the 20 psi required for all flows and 35 psi required for domestic flows. There is enough pressure and flow in the existing water system to meet the regulatory requirements.

#### **4.0 PROPOSED CONNECTION TO CARMEL SEWER DISTRICT #8**

An Out of District Sewer Service Agreement made between Carmel Sewer District # 8 (CSD #8) and the previous owner of the subject property was executed on July 9, 2002. In which CSD # 8 agrees to accept up to 72,000 gallons of sewerage per day from the subject property for 240 two (2) bedroom senior housing units, far exceeding the design flows generated by the current proposal.

Wastewater from the project will be collected and conveyed to the existing 8" gravity sewer on the lands of The Putnam Hospital Center (PHC) that currently connects to CSD #8 in Stoneleigh Avenue. The 8" gravity sewer main on the property of the PHC has been constructed up to the shared property boundary between the Hamlet at Carmel and the Putnam Hospital Center.

#### **5.0 PROPOSED WATER SYSTEM COMPONENTS**

The proposed water system and improvements will consist of approximately 1,800± feet of 8" Class 52 Ductile Iron water pipe and associated isolation valves and fire hydrants. A meter pit containing a Sensus FireLine meter will measure the flows for the project the existing main. Pressure reducing valves will be installed inside each building on the domestic service line to protect the domestic plumbing fixtures from high pressures. Double check valves will be installed inside each building on the fire sprinkler system to provide back flow prevention.

#### **6.0 PROPOSED SEWER SYSTEM COMPONENTS**

The proposed sewer for the project will be composed on approximately 2,000 linear feet of 8" PVC SDR 35 sewer pipe and 10 pre-cast concrete manholes.

**Appendix A**  
**EPANET 2 Model Schematic**

**Appendix B**  
**Manufacturers Information Sheets**

**EXHIBIT B-1: HCR MULTIFAMILY FINANCE 9% PROGRAMS**

City/Town/Borough: Carmel  
 County: Putnam

Indicate the requested funding amounts and the proposed length of the corresponding DHCR/HTFC regulatory period. If the amounts listed on this form differ from those indicated in the Underwriting Model, the application will be evaluated based on the amounts requested below. Consult the Multifamily Term Sheets on the HCR website for financing terms and requirements.

Financing Source	Amount Requested	Regulatory Term (Years)
9% Low-Income Housing Credit (LIHTC)	\$ 1,430,000	50
State Low Income Housing Credit Program (SLIHC)	\$ 396,000	50
Federal Housing Trust Fund Program (FHTF)		
Low-Income Housing Trust Fund Program (HTF)	\$ 3,400,000	30
Rural and Urban Community Investment Fund (CIF)		
Supportive Housing Opportunity Program (SHOP)		
Public Housing Preservation Program (PHP)		
Middle Income Housing Program (MIHP)		
Housing Development Fund (HDF)		
Senior Housing Program (SENR)		
HOME Program (HOME)		

**Project Units per Funding Source**

For each permanent funding source (including non-HCR sources), indicate the regulatory term length (if applicable) and the number of existing and/or new construction units to be financed. In the "Exist/Rehab" column, only include existing units that will be rehabilitated or preserved.

Funding Source (name)	Regulatory Term (Years)	Residential Units		Community Room Units		Community Service Facility Units		Civic Units		Commercial Units	
		Exist/Rehab	New Construction	Exist/Rehab	New Construction	Exist/Rehab	New Construction	Exist/Rehab	New Construction	Exist/Rehab	New Construction
LIHTC	50		65								
SLIHC	50		74								
Low-Income Housing Trust Fund	30		74								

**For LIHTC/SLIHC Projects:**

**9% LIHTC Program Set-Aside Designations** (Refer to the RFP for details)

- Not Applicable
- Empire State Supportive Housing Initiative (ESSHI) Projects
- Supportive Housing Projects
- Housing Opportunity Projects
- NYCHA Seniors First
- Public Housing Redevelopment Projects
- Vital Brooklyn

Will the project elect the Income Averaging minimum set-aside?	No
Will the project bifurcate and/or transfer SLIHC?	No
Will there be a tenant buy-out plan?	No
Will a right of first refusal be offered to a qualified non-profit organization?	No

**State Housing Goals**

Complete the appropriate box(es) for the State Housing Goal(s) met by the Project. Refer to the RFP for further Housing Goal details.

**Explanation of how the project meets the Housing Goal:**

<p><b>Community Renewal and Revitalization Projects:</b> Projects that address a component stated in the municipality's most recent comprehensive plan, or other municipal approved plan, as demonstrated by one or more of the following:</p> <ul style="list-style-type: none"> <li>• Demonstrate site control of land acquired through Land Banks, established pursuant to Article 16 of New York State Not-for-Profit Corporation Law, in neighborhoods that have experienced a high incidence of abandoned and/or "zombie" properties;</li> <li>• Demonstrate the donation of one or more of the project sites from the municipality in which the project is located at either \$0 or \$1 acquisition;</li> <li>• Demonstrate the rezoning of, or the granting of a zoning variance/special use permit for, at least one project site necessary to complete the project;</li> <li>• Demonstrate the project municipality has committed capital financing to the project as evidenced in the application sources and uses;</li> <li>• A draft commitment for a PILOT for the project (at a level greater than Section 581-A of Real Property Tax Law);</li> <li>• Listed as a priority project in the municipality's latest Action Plan;</li> <li>• Utilizing a site for the project which has been designated for redevelopment by an Urban Renewal Plan; or,</li> <li>• Applicant, or its affiliate, has been identified as the Designated Developer for the project by the municipality.</li> </ul>	
<p><b>Integrated Supportive Housing Projects:</b> Projects that provide permanent supportive housing to one or more special needs populations, and that can show evidence of a service and operating subsidy from a governmental agency, such as Empire State Supportive Housing Initiative (ESSHI).</p>	
<p><b>Housing Opportunity Projects:</b> Family projects in an area of opportunity linked to schools that meet or exceed minimum performance standards and that meet or exceed other measures of opportunity, including, but not limited to, the rate of poverty, as defined in a list of census tracts published by HCR. At least 10% of the project units must be targeted to and serve households at or below 30% of AMI. Additionally, average unit size must be at least 2 bedrooms.</p>	<p>The Hamlet at Carmel (The Hamlet) meets this state housing goal. The Hamlet is located in Census Tract 116.00, which was designated by New York State Homes and Community Renewal (HCR) as a Housing Opportunity Census Tract. Residents of The Hamlet will be enrolled in Carmel Central School District, ranked at the highest level of 4 by the New York State Education Department for college, career and civic readiness. Eight (8) units or 10.67% are set aside for households at 30% of AMI. The average unit size is two (2) bedrooms.</p>
<p><b>Workforce Opportunity Projects:</b> Projects that propose housing within a safe half-mile walk of frequently occurring public transportation (available 7 days a week on a repetitive, fixed-route schedule that is regular and continuing).</p>	
<p><b>Projects Advancing State Revitalization and Economic Development Initiatives, including:</b></p> <p><b>Downtown Revitalization Initiative Projects:</b> Projects that propose residential and/or mixed-use projects located in Downtown Revitalization Initiative plan areas that clearly advance the objectives of an approved Downtown Revitalization Initiative Strategic Investment Plan.</p> <ul style="list-style-type: none"> <li>• <b>Economic Development Projects:</b> Projects specifically endorsed in the Regional Economic Council Strategic Plans that will support the construction and/or rehabilitation of affordable housing.</li> <li>• <b>Brownfield Cleanup Program Projects:</b> Projects resulting in the cleanup/redevelopment of property that has been determined to be eligible to participate in the New York State Brownfield Cleanup Program (BCP). The application must propose a plan of finance fully utilizing all BCP tax credits generated from the cleanup/redevelopment of the property.</li> <li>• <b>Projects which will be implemented in a neighborhood located in a designated Empire State Poverty Reduction Initiative (ESPRI) locality and coordinated with the ESPRI activities underway.</b> At least 15% of the project units must be targeted to and serve households at or below 30% of AMI.</li> </ul>	
<p><b>Senior Housing:</b> Projects that allow low-income seniors to live independently in the community. Preference will be given to projects that also meet at least one of the following State Housing Goals: 1) Community Renewal and Revitalization, 2) Workforce Opportunity, 3) Economic Development, or 4) Downtown Revitalization Initiative.</p>	

Kearney Realty & Development Group, LLC (Kearney Group) is proud to develop The Hamlet at Carmel (The Hamlet) in the Town of Carmel, Putnam County. The Hamlet is an unprecedented housing development as the first non-age restricted affordable housing development in Putnam County History. The Hamlet is an innovative, mixed-income and Housing Opportunity residential housing development. The Hamlet will advance the New York State Homes & Community Renewal's (HCR) state housing goal by being a Housing Opportunity Project. The Hamlet will consist of five (5) new construction buildings comprising of seventy-five (75) residential units.

The land upon which The Hamlet will be constructed is unimproved and serviced by central water and sewer and is appropriately zoned ("as of right"), in the Residential (R) District.

Kearney Realty & Development Group, Inc. (The Applicant) has site control by way of a 99-year land-lease. Kearney Group has entered into a 99-year land-lease with The Hamlet at Carmel Associates, LLC (The Owner) in which the land lease is assignable to the HDFC. The Owner has ownership by way of deed and purchased the land in December 2014. The site is an excellent location, convenient to shopping centers, banking facilities and a variety of restaurants. Additionally, the site is three (3) miles from the Croton Falls Metro North train station and is adjacent to Putnam Hospital.

The project site underwent a Full Environmental Impact Statement (FEIS) that has been approved by the town of Carmel. The Applicant currently has full site plan approval for 120 senior housing units, including water and sewer approvals. The applicant has since amended the site plan following a collaborative effort between the applicant and the Town of Carmel's Zoning Board of Appeals (ZBA). Historically, interpretations of the zoning code were that non-age restricted multifamily development was not permitted in any zoning district in the Town of Carmel, including the Residential (R) district where the project site is located. However, there were confictions in the zoning code, which included language that allowed non-age restricted multifamily housing in the Residential (R) district. The applicant, based on their experience in similar municipalities and with the help of legal professionals, formulated a strong legal opinion that non-age restricted multifamily housing was permitted "as of right" in the Residential (R) district; an interpretation which would ensure that the municipality is taking steps to Affirmatively Further Fair Housing. Based on the advisory of the applicant, the Town of Carmel's Zoning Board of Appeals voted unanimously (7-0) in agreement with the applicant's interpretation of the zoning code to allow for non-age restricted multifamily in the Residential (R) district. Following the ZBA's interpretation, the applicant filed an amended site plan with a long form EAF for the site specific SEQRA review for the revised site plan. The Hamlet at Carmel will not only be the first non-age restricted affordable housing development in Carmel, but will also be the first non-age restricted affordable housing development in the entirety of Putnam County.

The Hamlet will bring much needed affordable, workforce housing to Putnam County. Putnam County Pattern for Progress performed a housing cost burden analysis for Putnam County. It was found that 69% of renters in Putnam County are cost burdened (spending 30%-50% of their income on housing) and, furthermore, 37.7% of renters in Putnam County are severely cost burdened (spending 50% or more of their income on housing). Putnam County Housing Corporation recently performed a Housing Needs Assessment in January 2014 which identified a high demand for more affordable housing. "Putnam County is faced with limited choice and an insufficient supply of affordable and market rate rental housing. ... There is an overwhelming need to develop new affordable housing at all income levels, especially at lower-income levels. Bolstering the supply of housing that is affordable to working class and middle-income households is

critical to building and retaining talent for the local economy.” The Hamlet’s location makes it an ideal location for affordable housing with a preference for, essential workers, who are rent burdened at a higher-than-average rate. The Hamlet is adjacent to and within walking distance of Putnam Hospital. Subject to approval by HCR’s Fair and Equitable Housing Office (FEHO) The Hamlet will include a set-aside of 15% or twelve (12) units for essential workers in accordance with the NYS essential worker’s occupancy preference effective May 7, 2021. The essential worker’s set-aside will be in accordance with NYS HCR’s “List of Essential Workers” which includes: Food Industry Workers, Health Care Professionals, Hotel Workers, Child Care Providers, P-12 School Faculty, Group Living Facilities Staff, Public Transit Drivers, Corrections workers and First Responders and Support Staff. This essential workers preference request is subject to any HCR modifications and FEHO approval.

The Hamlet will comprise of five (5) new construction buildings. Building 1, which is 17,606 square feet, will have four (4) one-bedroom apartments, eight (8) two-bedroom apartments, four (4) three-bedroom apartments. Building 2, which is 8,770 square feet, will have eight (8) two-bedroom apartments. Building 3, which is 17,606 square feet, will have four (4) one-bedroom apartments, eight (8) two-bedroom apartments, four (4) three-bedroom apartments. Building 4, which is 24,660 square feet, will have five (5) one-bedroom apartments, Seven (7) two-bedroom apartments, three (3) three-bedroom apartments, and common facilities. Building 5, which is 23,975 square feet, will have four (4) one-bedroom apartments, ten (10) two-bedroom apartments, six (6) three-bedroom apartments. The Hamlet is designed to provide housing to individuals and families at numerous income levels. Utilizing LIHTC, SLIHTC, and HTF subsidy, The Hamlet will comprise of eight (8) units at 30% of Putnam County Area Median Income (AMI), fifty-seven (57) units at 60% of Putnam County AMI, six (6) units at 80% of Putnam County AMI, and three (3) units at 90% of Putnam County AMI. Of these units, seventeen (17) will be one-bedroom, forty (40) will be two-bedrooms, seventeen (17) will be three-bedrooms, and one non-rent bearing two (2) bedroom apartment for a super-intendent. In addition, The Hamlet will consist of eight (8) mobility adapted apartments and four (4) audio and visually adapted apartments.

The Hamlet will be designed to include high-quality amenities for the residents, which are important compliments to the objectives of the State Housing Goal; Housing Opportunity Projects. The Hamlet will offer; an on-site management office that will be staffed during the week; an on-site superintendent; a large common room for social events; on-site laundry facilities; and interior bike storage. In addition, The Hamlet will offer exterior amenities such as a gazebo, playground, and a patio area with benches. Furthermore, the residents will have access to Wi-Fi throughout the building and broadband internet connections will be available to residents in the common room. The Residents of The Hamlet will also have access to one hundred and forty-nine (149) on-site parking spaces. In accordance with HCR’s Design Guidelines, The Hamlet will provide five (5) EV charging stations.

The Hamlet will accomplish the State Housing Goal; Housing Opportunity Projects. The Hamlet is located in Census Tract 116.00, which was designated by New York State Homes and Community Renewal (HCR) as a Housing Opportunity Census Tract. Residents of The Hamlet will be enrolled in Carmel Central School District (CCSD). CCSD is a high-achieving school district, ranked at the highest level of four (4) by the New York State Education Department (NYSED) for college, career, and civic readiness. The college, career, and civic readiness index measures school quality and student success. The indicators included in the index measure how well students are prepared to be involved in activities important to being a productive

citizen. This would be the case whether they plan to attend college or whether they plan to enter the workforce after high school. The quality of CCSD is evidenced by assessment results as presented by different New York State Standardized tests. Students of CCSD scored at a proficient level at high rates; 96% in Regents English; 95% in Regents Algebra I; 89% in Regents Algebra II; 90% in Regents Living Environment; 93% in Regents Earth Science; 100% in Regents Physics; and 93% in Regents U.S. History & Government. Residents of The Hamlet, especially school-age children, will be offered a tremendous opportunity to grow and prosper as a member of the CCSD.

As a Housing Opportunity project, The Hamlet will provide families with much needed affordable housing and better access to job opportunities, while simultaneously giving the children access to healthier living environments and high-quality education.

The Hamlet will help advance the Fair Housing Matters NY initiative, which looks to analyze and address segregated living patterns and housing disparities in New York. This initiative seeks to continue to follow the Obama-era regulations and uphold the Fair Housing Act by working to address the root, historical causes of segregation and housing inequality that harm New York's most vulnerable populations. These regulations include the Affirmatively Furthering Fair Housing Rule, or AFFH, enacted in 2015, that requires states and local municipalities to analyze and develop meaningful actions to reduce segregated living patterns and concentrated areas of poverty, address unequal opportunity in neighborhoods, increase accessibility and strengthen fair housing enforcement. Limitations of where someone can live has profound impacts on an individual's access to quality education, a good job, and adequate healthcare. As a Housing Opportunity Project, located in Putnam County, The Hamlet supplies much needed, affordable, mixed-income, and workforce housing with access to the highly ranked Carmel Central School District and nearby medical facilities.

The residents of The Hamlet will benefit greatly from the partnership with one of the leading not-for-profits in the area of affordable housing, Housing Action Council, Inc. (HAC). HAC, incorporated in 1974, is a not-for-profit organization dedicated to expanding housing opportunities for low and moderate-income households throughout the Hudson Valley. HAC has developed or facilitated the development of over 4,000 affordable housing units in New York State. To date, Kearney Group and/or its affiliates, and HAC have successfully partnered in the construction and management of over three hundred and seventy-five (375) affordable housing units. HAC will work with Kearney Group in establishing linkages to support services, marketing, and qualifying applicants. In addition, Kearney Group and HAC will set aside 15% of the affordable apartments, or twelve (12), apartments for special needs population of individuals or families with physical disabilities/traumatic brain injury.

The Hamlet will benefit from a project team with substantial development and management experience, and an outstanding track record and reputation in affordable housing. The developers, Kenneth Kearney and Sean K. Kearney, President and Vice President, respectively, of Kearney Realty & Development Group, Inc. (Kearney Group), are highly regarded developers with an outstanding regional reputation for quality and integrity. Kearney Group and their affiliates have developed fifteen (15) affordable housing developments and currently manage over one thousand three hundred (1,300) units of affordable and mixed-income housing. Kearney Group will also be responsible for all marketing and rent-up activities, as well as the ongoing management of The Hamlet.

The project architect, A.J. Coppola of Coppola Associates, has designed and completed twenty (20) affordable housing complexes. Mr. Coppola will be responsible for preparation of all design documents and specifications, as well as the oversight of mechanical, structural and site engineering, and will ensure compliance with all NYSHCR Project Design Handbook requirements and code related issues, including compliance with the Americans with Disabilities Act.

The project engineer, Jeffrey Contelmo of Insite Engineering, has experience in all phases of site development, both large and small. The Hamlet's general contractor, Tern Construction & Development, LLC, has built fifteen (15) affordable projects and has an excellent reputation. Tern Construction & Development, LLC will be contracted through a pre-negotiated/fixed-price contract.

The Hamlet's counsel, Melissa Beskid of Cannon Heyman & Weiss, LLP, practices in the area of multi-family finance and real estate development, and focuses his practice in the construction, rehabilitation and financing of affordable housing using tax credits and other subsidy programs.

The Hamlet will be owned by The Hamlet at Carmel Limited Partnership (the "Owner"), the managing general partner of which shall be named The Hamlet at Carmel Associates, LLC, a New York limited liability company, the members and managers will be The Hamlet at Carmel Managers II, LLC and JUCCA Company LLC. HAC, through The Hamlet at Carmel Housing Development Fund Company, Inc., a housing development fund company organized under Articles XI of the New York Private Housing Finance Law shall be the co-general partner. Each general partner will own a .005% interest in the Owner. HAC will materially participate in The Hamlet's operations through (i) its agreement to provide referrals to The Hamlet's residents, (ii) integration of The Hamlet's residents into its community programs, and (iii) its right, as co-general partner of the Owner, to consent to selection of The Hamlet's management agent.

The Applicant, Kearney Group, and its affiliates and subsidiaries, have ample capacity to successfully develop the Hamlet. Currently, Kearney Group and its affiliates and subsidiaries, have two developments under construction. Copper City Lofts and The Woods at Pawling, both of which were recently funded through HCR's Fall 2020 funding round, are anticipated to begin construction in Fall of 2021. Kearney Group and its affiliates have the capacity to successfully manage six active HCR funded developments at any given time.

In keeping with Kearney Group's commitment for sustainable development, The Hamlet will be fully compliant with NYSERDA's New Construction – Housing Program, NYSERDA compliant, and LEED certified. In addition, The Hamlet has contracted with a benchmarking firm to provide annual benchmarking data. The cost of the benchmarking service is included in the operating budget.

Sources of construction financing for The Hamlet are anticipated to consist of: (i) a construction loan from Sterling Bank in the amount of \$16,400,000; (ii) tax credit in the amount of \$6,922,306, raised from the syndication of LIHTC; (iii) tax credit in the amount of \$1,373,361, raised from the syndication of SLIHTC; (iv) deferred developer fee in the amount of \$3,246,252; and (v) unfunded reserves of \$289,067.

Sources of permanent financing for The Hamlet are anticipated to consist of: (i) a permanent loan from Sterling Bank in the amount \$7,350,000; (ii) tax credit in the amount of \$13,844,613, raised from the syndication of LIHTC; (iii) tax credit in the amount of \$2,746,722, raised from the syndication of SLIHTC; (iv) Low-Income Housing Trust Fund in the amount of \$3,400,000; (v) deferred developer fee in the amount of \$814,651; and (vi) NYSERDA funding in the amount of \$75,000.

**EXHIBIT B-3: PROJECT SUMMARY**

Complete this form to describe the project as a whole, unless otherwise specified. The summary below must be consistent with the rest of the application.

<b>Project Type (select all that apply)</b>			<b>Project Use (select all that apply)</b>			<b>Is the project subject to:</b>	
<input checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Adaptive Reuse	<input type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Community (Service) Facility	<input type="checkbox"/> Civic	Davis-Bacon wage rates?	No
<input type="checkbox"/> Public Housing	<input type="checkbox"/> Senior Housing	<input type="checkbox"/> Supportive Housing	<input type="checkbox"/> Commercial			Section 3 requirements?	No
<input type="checkbox"/> Occupied Rehabilitation						Section 504 requirements?	No

**Location Summary**

Does the project include multiple sites?

Does the site include multiple buildings?

Community Board (NYC Only):

If the project includes multiple sites or buildings, complete and attach Exhibit B-3a: Multiple Sites and/or Buildings.

Complete the following box for the project as a whole. List multiple census tract numbers where applicable.

HUD QCT?	<input type="text" value="No"/>	HOCT #: <input type="text" value="116"/>
HUD DDA?	<input type="text" value="No"/>	
Housing Opportunity Census Tract?	<input type="text" value="Yes"/>	
Qualified Opportunity Zone?	<input type="text" value="No"/>	
CHDO Eligible?	<input type="text" value="No"/>	
Any other special project locality designation(s): <input type="text"/>		

**Is the project...**

located in a flood plain area?	<input type="text" value="No"/>
located in a waterfront revitalization area?	<input type="text" value="No"/>
located in or adjacent to a coastal area?	<input type="text" value="No"/>
eligible for/listing in the National Register of Historic Places?	<input type="text" value="No"/>
<i>If yes to any of the above, attach a description.</i>	

**Communities under Court Order/Court Decision**

Is the project located in a community in which a court decision or court-ordered plan to address desegregation or remedy a violation of law has been issued?	<input type="text" value="No"/>
<i>If yes, attach evidence that the proposed project is consistent with such court decision or court-entered plan.</i>	

Finance Summary										
TDC	\$	28,230,986	Total Residential Development Cost		\$	28,230,986				
TDC/SF	\$	305	Total Residential Hard Costs		\$	17,289,169				
TDC/DU	\$	376,413	Residential Hard Costs/SF		\$	187				
Total Developer Fee	\$	3,364,210	Residential Hard Costs/DU		\$	230,522				
Residential Unit Summary										
Target AMI	Unit Size					Applicable HCR Programs	# of Units	% of Project	Targets	
	0 BR	1 BR	2 BR	3 BR	4 BR				5+ BR	
30%		2	5	1		LIHTC, SLIHC, HTF	8	11%	30% AMI	
40%										
50%										
60%		15	28	14		LIHTC, SLIHC, HTF	57	76%	60% AMI	
70%										
80%			5	1		SLIHC, HTF	6	8%	80% AMI	
90%			2	1		SLIHC, HTF	3	4%	90% AMI	
100%										
110%										
120%										
130%										
Market										
Super/Mgr			1				1	1%	Super	
Total #		17	41	17			75			
% of Project		23%	55%	23%						
		1 BR	2 BR	3 BR						
Target Populations for Residential Units						# of Units	% of Project		Included in the residential rent/carrying charge:	
<b>Special Needs Populations (non-ESSHI)</b>									<b>Equipment:</b>	
Persons with Physical Disability/Traumatic Brain Injury						12	16%		<input checked="" type="checkbox"/> Range & oven	
(select)									<input type="checkbox"/> Microwave oven	
(select)									<input checked="" type="checkbox"/> Refrigerator	
(select)									<input checked="" type="checkbox"/> Cable TV hook-up	
(select)									<input checked="" type="checkbox"/> Laundry facilities in common area	
<b>ESSHI Populations</b>									<input type="checkbox"/> Laundry facilities in living unit	
(select)									<input checked="" type="checkbox"/> Central air conditioning (equipment)	
(select)									<input type="checkbox"/> Broadband internet	
(select)									<b>Services:</b>	
(select)									<input type="checkbox"/> Heat	
(select)									<input type="checkbox"/> Hot water	
(select)									<input type="checkbox"/> Central air conditioning	
<b>Total Units Targeted to Special Populations:</b>						<b>12</b>	<b>16%</b>		<b>Parking:</b>	
<b>Other Populations</b>									<input checked="" type="checkbox"/> Surface	
Senior/Elderly (non-frail) (select age restriction)						63	84%		<input type="checkbox"/> Covered/enclosed	
Not targeted to specific populations						63	84%		<input type="checkbox"/> Other (specify):	
<b>Total Units Targeted to Other Populations:</b>						<b>63</b>	<b>84%</b>			
<b>Total Units in Project:</b>						<b>75</b>			<b>Residential Tenant-Paid Utilities:</b>	
Architectural Summary										
Number of Buildings:		5								<input checked="" type="checkbox"/> Electricity
Number of Floors (Total):		12								<input checked="" type="checkbox"/> Heat
Construction Method:		Wood frame								<input checked="" type="checkbox"/> Gas
Façade Materials:		Fiber-cement planks and shakes								<input type="checkbox"/> Water
Number of Elevators:		0								<input type="checkbox"/> Repairs
Cellar Excavation (Full, Partial, or Minimal):		Bldg 1-3 slab on grade. Bldg 4-5 partial basement								<input type="checkbox"/> Other (specify):

Units and Square Footages (Entire Project)	# of Existing Units	Include all units in the project, regardless of funding source.			
		# of New Units	Total # of Units	Total Usable SF	% of Total (by SF)
Residential Dwellings		75	75	72,359	81%
Community Rooms		1	1		
Residential Common Space				16,856	19%
Community Service Facility			0		0%
Civic Space			0		0%
Commercial Space			0		0%
Enclosed Parking (if applicable)			0		0%
Other			0		0%
<b>Total</b>				<b>89,215</b>	

**Community rooms:** For the exclusive use of the residential tenants.

**Community Service Facility:** Not for the exclusive use of residential tenants.

**Civic space:** Non-residential, non-commercial space used for activities engaged by the local community for conducting municipal affairs or for general public use.

**Current Use(s) of Project Site(s) at the Time of Application Submission**

# of existing buildings on the project site(s) at the time of application submission:  (Enter "0" for vacant land)

Describe the use(s) of any existing buildings on the site at the time of application submission:

Describe any existing accessory structures, recreational facilities, and parking on the site at the time of application submission:

Is the project occupied at the time of application submission?

# of occupied residential units: \_\_\_\_\_

# of occupied non-residential units: \_\_\_\_\_

Will relocation of tenants be necessary?

How many? Residential: \_\_\_\_\_ Non-residential: \_\_\_\_\_

**Project History**

Has this project previously received DHCR/HTFC funding?  SHARS ID number(s): \_\_\_\_\_

Has the project ever been under the supervision of DHCR Housing Operations?

Original name of the project, if different from the project name proposed in this application: \_\_\_\_\_

Supervision Start Date: \_\_\_\_\_ Supervision End Date: \_\_\_\_\_

DHCR Contact: \_\_\_\_\_ Project Contact: \_\_\_\_\_

Has an application previously been submitted to DHCR/HTFC for this project?

Month and Year of submission(s)/Project ID if known: N/A

Project name(s) previously submitted under: N/A

Project Name: The Hamlet at Carmel

Applicant: Kearney Realty & Development Group

Project County: Putnam County

SUMMARY		Amount	Percentage	Per Unit
Total Units		75		
Total LIHTC Units		65	86.67%	
Income Mix:	20%	-	0%	
	30%	8	11%	
	40%	-	0%	
	50%	-	0%	
	60%	57	77%	
	70%	-	0%	
	80%	6	8%	
	90%	3	4%	74
	Over 90%	-	0%	100.00%
Studios		-	0%	
One-Bedrooms		17	23%	
Two-Bedrooms		40	53%	
Three-Bedrooms		17	23%	
Four-Bedrooms		-	0%	
Five-Bedrooms		-	0%	74
Residential Gross Square Footage		92,617		1,235
Community Service Facility Gross Square Footage		-		
Other Non-residential Gross Square Footage		-		
Parking Spaces		-		
Total Project Income		1,273,836		16,984
Residential Vacancy Rate			5.00%	
CSF Vacancy Rate			10.00%	
Other Non-residential Vacancy Rate			10.00%	
CSF + Non-Residential Income as % of Total			0.47%	
Total Expenses		679,174		9,056
Net Operating Income		530,970		7,080
Total Construction Term		24		
Income to Expense Year 1		1.05		
DSCR Year 1		1.11		
Residential Income Inflation			2.00%	
Operating Expense Inflation (Excluding Mgmt. Fee)			3.00%	
Management Fee Expense Inflation			2.00%	
Net Cash Flow 15 Years		1,243,778		16,584
Sterling Bank		7,350,000	26%	98,000
LIHTC Equity		13,844,613	49%	184,595
SLIHC Equity		2,746,722	10%	36,623
Low-Income Housing Trust Fund		3,400,000	12%	45,333
NYSERDA		75,000	0%	1,000
Deferred Developer Fee		814,651	3%	10,862
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
	0	-	0%	-
Acquisition		2,784,000	10%	37,120
Construction Costs		17,289,169	61%	230,522
Soft Costs		4,504,540	16%	60,061
Reserves & Escrow		289,067	1%	3,854
Developer Fee		3,364,210	12%	44,856
Total Development Costs		28,230,986		376,413
Total Residential Development Costs		28,230,986		376,413

# **Hamlet at Carmel**

## **Community Services EAF Excerpt School District Information plus Fiscal Analysis**

Town of Carmel, Putnam County, New York

*Prepared for:*

**Kearney Realty & Development Group**

57 Route 6, Suite 207

Baldwin Place, NY 10505

*Prepared by:*

**Tim Miller Associates, Inc.**

10 North Street

Cold Spring, NY 10516

*Submitted:*

**September 29, 2021**

### 2.2.3 Schools

#### *Existing Conditions*

The project site is served by the Carmel Central School District. The District includes three K-4 elementary schools, one middle school (grades 5, 6, 7 and 8), and one high school. The Carmel Central School District geographically includes the majority of the Town of Carmel, the Carmel Hamlet Area, portions of the Town of Philipstown and portions of the Town of Kent.

According to information provided by the School District<sup>3</sup>, enrollments have been steadily decreasing for more than the past 10 years. A study entitled School Age Children, Carmel Central School District Student Enrollment, dated July 14, 2021, was prepared by Tim Miller Associates. The study documents the continued decline in student enrollment and identifies the available capacity to handle an increase in student enrollment.

As of October 2020, 3,979 students were enrolled in the District. Table 2.2-2 below summarizes the current 2020/2021 grade distributions and enrollments of the various schools within the District:

<b>Table 2.2-2 Carmel Central School District (2020-2021 School Year)</b>		
<b>School</b>	<b>Grades Served</b>	<b>2014 Enrollment</b>
Kent Primary School	K-4	378
Kent Elementary School	K-4	372
Matthew Patterson Elementary School	K-4	476
George Fisher Middle School	5-8	1,194
Carmel High School	9-12	1,410
<b>TOTAL</b>		<b>3,979</b>
Carmel Central School District 2021.		

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<sup>3</sup>NYS Department of Education BEDS Enrollment Data for Central School District 2019/2020, July 2021.

### ***Potential Impacts***

As shown in Table 2.2-1, based upon demographic multipliers published by the Rutgers University Center for Urban Policy Research, approximately 46 students are projected to reside in the Hamlet at Carmel residential development. The addition of 46 students to a population of more than 3,900 students represents an increase of less than 1.2 percent. The Carmel CSD has availability in its existing infrastructure to accommodate this increase in student population.

The school budget for the 2021/2022 school year was defeated twice by the residents of the school district. The contingency budget for 2021-2022 school year for the Carmel Central School District totals \$106,836,349. The portion of the budget to be raised through taxation is \$74,686,091 - approximately 70 percent of the budget is met through the property tax levy.

This anticipated increase in student population will not have a significant impact on administrative or capital needs of the district. The School Age Children Enrollment Study referenced above, demonstrates the district's existing facilities have capacity to handle up to approximately 1,000 additional students.

An increase in residential development would result in an increase in the assessed valuation of the School District, which translates into additional school tax revenues. Since the infrastructure and staff resources are already in place, the costs for new students associated with multi-family housing would be minimal. It should also be noted that while market-rate multifamily housing would provide a significant increase in the districts assessed valuation, the ratio of students associated with multifamily housing is low compared to traditional single-family housing - and as such would not over-burden the schools.

A review of current school enrollment and school enrollment projections for the next 5 years are included in the School Enrollment Study included as Attachment B. This study indicates continuing declines for the Carmel School District by more than 30% compared to peak enrollments. This substantial declining enrollment trend has the potential to result in excess infrastructure, where the number of students is significantly lower than the enrollment capacity. The potential for the elimination of school clubs, sports teams and other extra-curricular activities will increase as enrollments continue to decline.

### *School District Costs Associated with the Proposed Project*

The provision of affordable housing opportunities is a community benefit that meets the needs of community service workers, police, fire, teachers, nurses, municipal workers etc. It also meets the needs of young families starting out and seniors or others living on a limited income. A well-balanced community provides for the needs of a diversity in population. Currently, HCR has a policy to allow for a preference for Essential workers on a number of the units. The applicant has requested 15% or 12 units have an occupancy preference for essential workers subject to HCR approval.

Based upon the reduced rental or market value of an affordable unit, the assessed valuation and thus the taxes generated by the unit are reduced compared to market rate residential development. The Hamlet at Carmel has been designed to include affordable housing which may not pay the full burden of costs associated with development, and market rate development, which has been provided to increase the overall assessed valuation of the development as a whole, thereby mitigating the reduced taxes paid by the affordable housing.

As already discussed, the Carmel School District has sufficient infrastructure to accommodate the anticipated increase in student population. Any costs to the School District would be related specifically to instruction, which is referred to as marginal cost. District wide, instructional costs are estimated to total \$68,169,209. Since 70 percent of the Budget is to be raised by the tax levy, the portion of the instructional costs to be raised by the tax levy are estimated to total \$47,718,446<sup>4</sup>.

With an enrollment of 3,979 students, the per-student marginal cost to be raised by the tax levy are calculated to be up to \$11,993, ( $\$47,718,446 / 3,979$ ). This full cost is likely overstated given the small percentage of new students compared to the existing student population. Projected costs to the school district are likely to be approximately \$275,000 to \$550,000 annually based on an estimated 46 students that would reside in the community.

New construction within the School District will result in an increase in assessed valuation in the district, resulting in an increase in tax revenue to the School District. These funds may be used to off-set any increased costs as necessary.

At today's tax rates, the proposed Hamlet at Carmel would generate a total of \$613,357 in annual property revenues to the school district. Thus, the overall impact on the district's budget is expected to be positive, generating between \$60,000 and \$325,000 in tax revenue **after covering the cost** of educating the students who reside at Hamlet at Carmel. The proposed residential development will generate \$566,272 above current taxes.

Construction is projected to take 12 to 18 months which is likely to be spread over two school years. The increased student population is also expected to be distributed throughout the grade levels, resulting in an several new students per grade. The multi-year phasing and distribution of students will allow for an additional 46 students to be integrated to the local schools with minimal impact. Conversation with the Business Administrator for the Carmel Central School District indicated absorption of the new students should not present a capacity problem for the school district, particularly in light of the declining enrollment trend the district is experiencing.

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<sup>4</sup>Carmel Central School District Adopted Contingency Budget 2021/2022. June 2021

**2.2.3 Fiscal Resources**

*Current and Projected Assessed Value*

The Hamlet at Carmel development site is contained on the Town of Carmel tax parcel 66.-2-58.

The current assessed value of the total project site is \$1,804,900. According to a review of the 2021 tax bills for the subject parcel, the total annual property taxes generated by the project site and paid to the Town of Carmel are \$8,773. The municipal taxes paid to Putnam County are \$5,468. Thus, the total municipal taxes paid are \$11,542 while the annual property taxes paid to the Carmel Central School District are \$47,085.

Based upon the income value of the market rate townhouse units the market rate portion of the project, is valued at \$16,230,995. Based upon the income value of the affordable residences, the value of the affordable rental apartments is estimated to be \$7,280,681. Using the current 2021 equalization rate of 100 percent, the total Assessed Value of the project used for this analysis is \$23,511,676.

*Current and Projected Revenues*

Table 2.2-2 compares the revenues generated currently by the property to the revenues to be generated after the Hamlet at Carmel development is complete. Revenues are based on 2021 municipal tax rates and the 2021-2022 tax rate for the Carmel Central School District.

According to the Town of Carmel annual budget, the Town’s tax rate includes governmental services, Justice Court, Sewer and water capital expenses, refuse collection, street maintenance, public parking, lighting and parks & recreation.

As presented in Table 2.2-2, at today ‘s tax rates, annual revenues to the Town of Carmel would be approximately \$261,349. The project-generated annual revenues to Putnam County would be approximately \$71,234 annually.

<b>Table 2.2-2 Current &amp; Projected Taxes Generated by Hamlet at Carmel Development</b>			
Taxing Authority	Current Taxes (\$)	Hamlet at Carmel Projected Taxes Total (\$)	Net Increase Between Current & Projected Taxes (\$)
<b>Total Putnam County</b>	<b>\$5,468</b>	<b>\$71,234</b>	<b>\$65,766</b>
<b>Total Town of Carmel</b>	<b>\$11,542</b>	<b>\$261,349</b>	<b>\$249,807</b>
<b>Total Municipal</b>	<b>\$17,010</b>	<b>\$332,583</b>	<b>\$315,573</b>
<b>Carmel Central School District</b>	<b>\$47,085</b>	<b>\$613,357</b>	<b>\$566,272</b>
<b>TOTAL</b>	<b>\$156,465</b>	<b>\$945,940</b>	<b>\$881,845</b>
<b>Notes:</b>			
(1) Tax Rate per \$1,000 of Assessed Valuation.			
Municipal taxes are based upon Town of Carmel 2020/2021 Tax Rates.			
Carmel Central School Taxes are for the 2021-2022 Contingency Budget.			

As stated earlier, annual revenues to the Carmel Central School District would be approximately \$613,357. The net *increase* between the current tax revenues generated by the site and paid to the School District and the total future project-generated revenues to the school district are projected to be approximately \$566,272.

Table 2.2-2 also indicates the combined net increase in revenues to each jurisdiction, which in total is projected to be more than \$800,000 annually.

*Municipal Costs Associated with the Proposed Project*

An approximate estimate of costs to the Town of Carmel associated with the Hamlet at Carmel development may be determined by obtaining a reasonable composite of current costs on a per capita basis and multiplying this amount by the anticipated population of the proposed project.

Through a review of the Town's operating budget, the amount of expenditures can be derived and, by dividing the population into the amount of expenditures, an estimate of per capita costs can be determined. To calculate the portion of the per capita cost which is paid for by property tax revenues (as opposed to other forms of income to the Village), the per capita cost is multiplied by the proportion that property tax revenue comprises of the overall income stream.

This generalized methodology estimates the overall costs. The incremental costs which would be applicable specifically to this project are anticipated to be substantially lower. Certain fixed costs would not actually be affected by an increase in population. For example, the Supervisor's salary or the cost of running Town Hall are expenses that are paid by the Town's Budget, but would not be expected to increase based on an increase in population. It is also noted that commercial and other land uses in the Town place demand on the various governmental services which contributes to the per capita costs being overstated. The majority of services provided by the Town would not be directly affected by an increase in population.

In this instance, the adopted 2021 municipal budget for the Town of Carmel amounts to \$49,239,061. The total amount to be raised by taxes is \$24,405,122. The tax levy represents 50 percent of the total municipal budget.

According to the US Census data, the 2010 estimated population for the Town is 34,305 persons. Dividing the budget to be raised by taxes by the population, results in an estimated impact to the Town budget of \$561 per capita.

As described earlier, the proposed project would add approximately 372 persons to the population of the Town. Based on a per capita expenditure of \$561, the additional costs to the Town of Carmel are projected to be up to approximately \$208,708. As presented in Table 2.2-2, the revenues to the Town from the proposed Hamlet at Carmel Development would amount to a minimum of \$52,641, thus, the project will result in a net benefit to the Town. The increase in tax revenue to the Town, upon completion of development is projected to increase by \$249,807 compared to existing tax revenues.

Table 2.2-4 presents a summary of the conservatively anticipated revenues compared to an estimate of costs of the proposed Hamlet at Carmel development project. The combined net positive revenues, after considering the generalized costs to the Town and the School District is an annual amount of \$113,978 to all taxing jurisdictions, while providing affordable housing for the community.

<b>Table 2.2-4 Revenue &amp; Cost Summary: Hamlet at Carmel</b>			
<b>Jurisdiction</b>	<b>Projected Taxes (\$)</b>	<b>Projected Costs (\$)</b>	<b>Net Tax Revenue</b>
<i>Town of Carmel</i>	\$261,349	(\$208,708)	\$52,641
<i>Carmel Central Schools</i>	\$613,357	(\$552,020)	\$61,337
<b>Total</b>	<b>\$874,706</b>	<b>(\$760,728)</b>	<b>\$113,978</b>
Source: Tim Miller Associates, Inc., 2021			

### **2.2.5 Fiscal Benefits**

The project will induce construction employment in the short term. In the long-term, the new resident population would introduce consumer demand for retail and service establishments located within the Town of Carmel, as well as the larger commercial area within the region.

#### *Short Term Employment Opportunities*

The construction value of the proposed project would total approximately \$28 million. Construction of the project would require a commitment of person hours of labor, which can be viewed as beneficial to the community, the local economy, and the construction industry with respect to the generation of jobs. Based on labor hour estimates published by the Urban Land Institute, and accounting for secondary employment resulting from the construction, this project would generate 155 full time equivalent jobs in the various construction trades associated with this project.

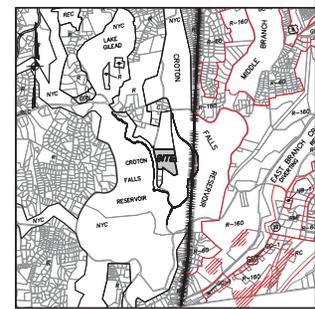
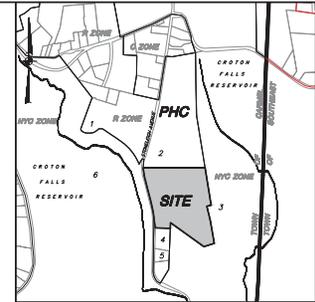
It is anticipated that a number of construction workers would come from Putnam County and nearby counties in the region. These workers are expected to have a positive impact on existing local businesses that provide such services as food convenience shopping, gasoline, etc.

#### *Local Economy Spending*

Future residents would utilize retail, personal service, and other commercial uses located in the project vicinity. Businesses within the project vicinity, especially those located within the Town, would benefit from new resident expenditures. Approximately 30 percent of household income is typically spent on retail goods and services.

A household income ranging from \$69,000 to \$99,000 annually, would be required to afford renting the proposed affordable housing. Using a conservative household income of \$69,000, it is estimated that 75 households would spend more than \$1.5 million annually. A household income of approximately \$125,000, would be required to afford renting the proposed market rate housing, thus the 75 market rate units would generate an additional \$2.8 million in expenditures annually. When combined more than \$4.3 million in sales can be expected. A substantial portion of these expenditures would be made at supermarkets, local convenience stores, apparel stores, restaurants and service businesses such as gas stations and hair salons in the area.

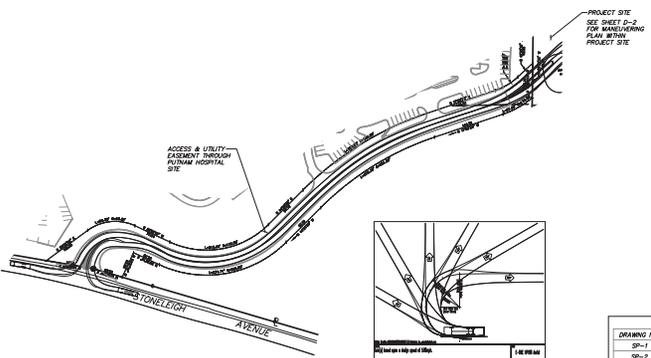
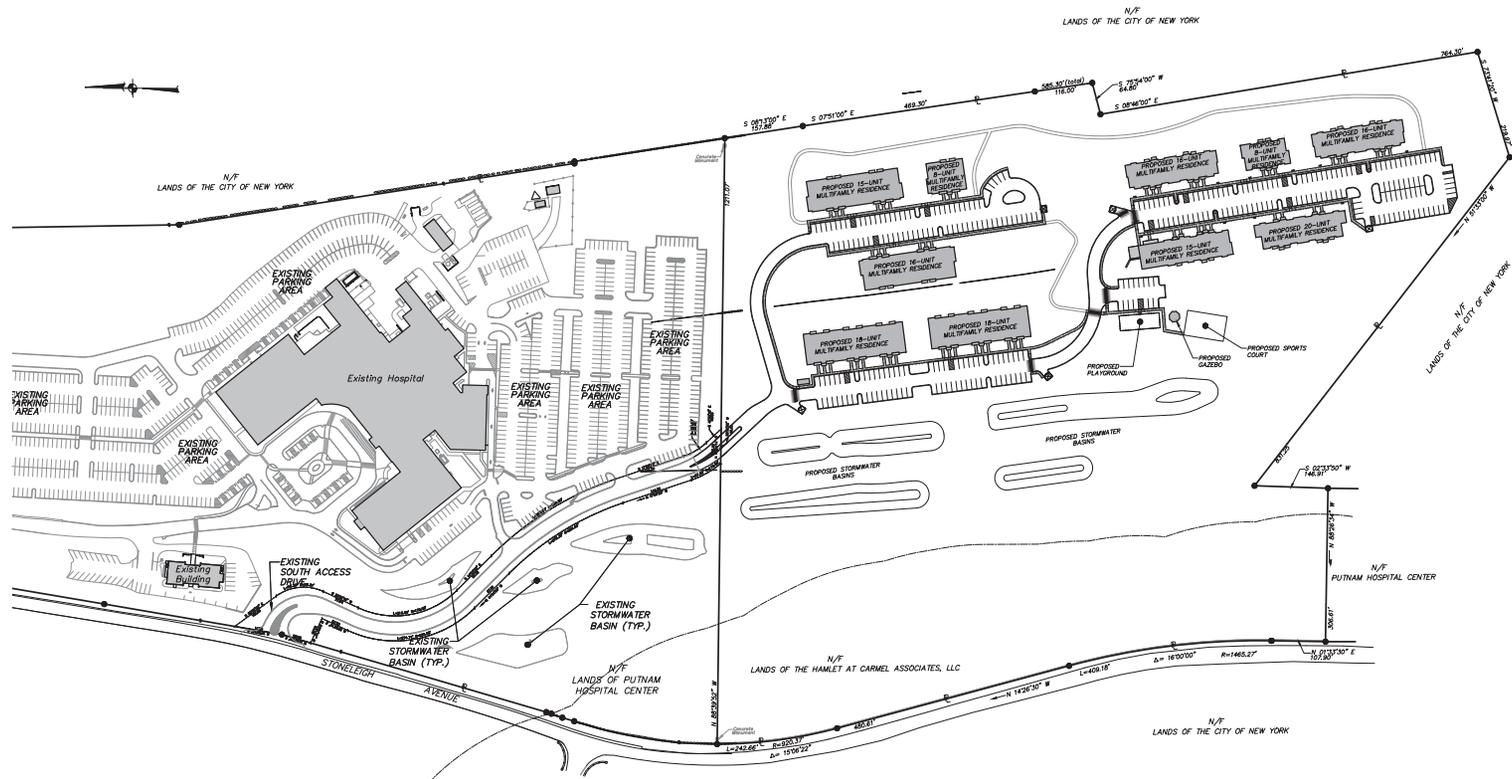
- 500' ADJOINERS**
- N/F META ON THE LAKES, INC
  - N/F PUTNAM HOSPITAL CENTER
  - N/F CITY OF NEW YORK
  - N/F PUTNAM HOSPITAL CENTER
  - N/F SAKI, A. & KAROL, N.
  - N/F CITY OF NEW YORK



**RECORD OWNER/APPLICANT:** The Hamlet of Carmel Associates, LLC  
 1777 Route 8  
 Carmel, NY 10512

**SITE DATA:**  
 Total Area: 35.28 AC ±  
 Tax Map No: 66-2-58  
 Zoning District: R (Residential)  
 Proposed Use: Multi-Family Residential

- GENERAL NOTES:**
- Property boundaries shown herein taken from subdivision plat entitled Boundary Line Adjustment Map prepared for Putnam Community Foundation and Putnam Hospital Center. - filed January 4, 2006 as map no. 3008.
  - Existing conditions and topography shown herein taken from survey entitled "Topographic Survey prepared for the Putnam Community Foundation", prepared by Terry Bergendoff Collins, L.S., last revised April 25, 2007.



**R - ZONE REQUIREMENTS:**

	Required	Provided
Min. Lot Area:	120,000 SF	1,536,611 SF ±
Min. Lot Width:	200'	1,170' ±
Min. Lot Depth:	200'	1,041' ±
Min. Yard Setbacks:		
Front:	40'	655'
Side:	25'	102'
Rear:	40'	170'
Max. Building Height:	35'	<35'
Min. Building Coverage:	15 %	6.0%

\* See §156-28 Multi-Family Dwellings Zoning Requirements below.

**PARKING REQUIREMENTS: \***

2.0 spaces per unit x 150 units - Required	= 300 spaces
Total spaces Provided	= 300 spaces

\* Per §106-28 of the Town of Carmel Zoning Code

**RECREATION REQUIREMENTS:**

- Indoor Common Space: 10,885 SF ±
- Patio Area: 470 SF ±
- Active Recreation Area (Playground, Sports Court): 10,500 SF ±
- Walking Path Area: 10,000 SF ±
- Common Green: 18,000 SF ±

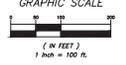
TOTAL RECREATION PROVIDED: 49,855 SF  
 TOTAL RECREATION REQUIRED: 45,000 SF  
 (300 SF/unit x 150 units)

**§156-28 MULTI-FAMILY DWELLINGS ZONING REQUIREMENTS: \***

	Required/Permitted	Provided
Min. Lot Area	212,800 SF (10.0 AC)	1,536,611 SF ± (35.28 AC)
Max. Density (Units/Acre)	5.0	4.25
Min. Dwelling Units	150	150
Min. Building Coverage	30%	6.0%
Min. Property Line Setback	100'	102'
Max. Building Height/ Stories	35' / 2	Less than 35' / 2
Distance Between Buildings	50'	50'
Max. Building Length	200'	200'
Min. Recreation Space	300 SF / unit	332 SF / unit

**LIST OF DRAWINGS**

DRAWING NO.	DRAWING NAME	SHEET
SP-1	Overall Site Plan	1
SP-2	Layout, Landscaping, & Lighting Plan	2
SP-3	Grading & Utilities Plan	3
SP-4	Erosion Control & Phasing Plan	4
D-1	Site Details	5
D-2	Site Details	6
D-3	Site Details	7
D-4	Stormwater Pond Details	8
D-5	Stormwater Pond Details	9



2	8-29-21	GENERAL REVISION	MEU
1	7-19-21	GENERAL REVISION	MEU

**INSITE**  
 ENGINEERING, SURVEYING &  
 LANDSCAPE ARCHITECTURE, P.C.

PROJECT: THE HAMLET AT CARMEL  
 MULTI-FAMILY HOUSING DEVELOPMENT  
 20000 sq. ft. of Carmel, Putnam County, New York

DRAWING: OVERALL SITE PLAN

PROJECT NO: 14211.100 PROJECT MANAGER: J.J.C.  
 DATE: 2-10-21 DRAWN BY: M.E.U.  
 SCALE: 1" = 100' CHECKED BY: J.J.C.

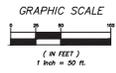
DRAWING NO: SP-1 SHEET: 1 / 10

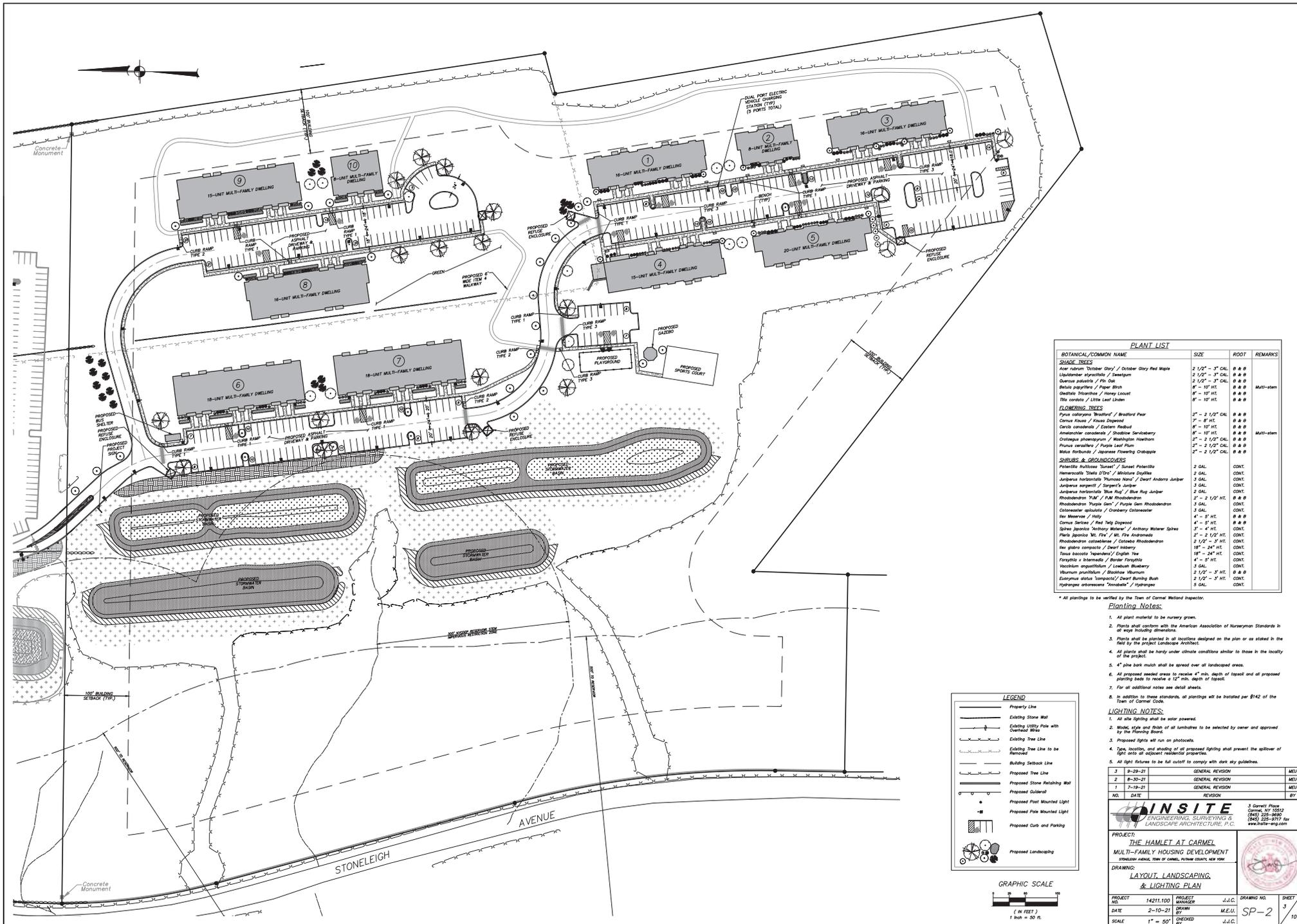


**LEGEND**

- EXISTING PROPERTY LINE
- EXISTING STONE WALL
- EXISTING ENCLOSURE
- EXISTING STREAM BUFFER
- EXISTING 10' CONTOUR
- EXISTING 20' CONTOUR
- EXISTING PRELINE

NO.	DATE	REVISION	BY
<b>INSITE</b> ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.			
PROJECT: <b>THE HAMLET AT CARMEL</b> MULTI-FAMILY HOUSING DEVELOPMENT <small>200000 SQUARE FEET, TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK</small>			
DRAWING: <b>EXISTING CONDITIONS PLAN</b>			
PROJECT NO.	14211.100	PROJECT MANAGER	J.J.C.
DATE	9-29-21	DRAWN BY	A.D.T.
SCALE	1" = 50'	CHECKED BY	J.J.C.
DRAWING NO.	EX-1	SHEET	2
			10





PLANT LIST			
BOTANICAL/COMMON NAME	SIZE	ROOT	REMARKS
<b>SHADE TREES</b>			
Acer rubrum / October Glory / October Glory Red Maple	2 1/2" - 3" CAL.	B & B	
Liquidambar styraciflua / Sweetgum	2 1/2" - 3" CAL.	B & B	
Quercus palustris / Pin Oak	2 1/2" - 3" CAL.	B & B	
Prunus nigra / Flowering Peach	8" - 10" HT.	B & B	Multi-stem
Chaetula trichantha / Honey Locust	8" - 10" HT.	B & B	
Tilia cordata / Little Leaf Linden	8" - 10" HT.	B & B	
<b>FLOWERING TREES</b>			
Forsythia x intermedia / Bradford Pear	2" - 2 1/2" CAL.	B & B	
Cornus Kousa / Kousa Dogwood	7" - 8" HT.	B & B	
Cercis canadensis / Eastern Redbud	8" - 10" HT.	B & B	
Amelanchier canadensis / Shadblow Serviceberry	8" - 10" HT.	B & B	Multi-stem
Crataegus alnifolia / Washington Hawthorn	2" - 2 1/2" CAL.	B & B	
Prunus cerasifera / Purple Leaf Plum	2" - 2 1/2" CAL.	B & B	
Malus baccata / Japanese Flowering Crabapple	2" - 2 1/2" CAL.	B & B	
<b>SHRUBS &amp; GROUNDCOVERS</b>			
Paniclea multiflora Sunset / Sunset Poinsettia	2 GAL.	CONT.	
Hemerocallis Stella D'Oro / Miniature Daylily	2 GAL.	CONT.	
Juniperus horizontalis 'Nana' / Dwarf Anderson Juniper	3 GAL.	CONT.	
Juniperus sargentii / Sargent's Juniper	3 GAL.	CONT.	
Juniperus horizontalis 'Blue Rug' / Blue Rug Juniper	2 GAL.	CONT.	
Rhododendron 'M' / M Rhododendron	2" - 2 1/2" HT.	B & B	
Rhododendron 'Purple Gem' / Purple Gem Rhododendron	3 GAL.	CONT.	
Chimonanthes alpicola / Chimonanthes	3 GAL.	CONT.	
Var. Massena / Holly	4" - 5" HT.	B & B	
Cornus Sericea / Red Twig Dogwood	4" - 5" HT.	B & B	
Spiraea japonica 'Anthony Waterer' / Anthony Waterer Spiraea	2" - 2 1/2" HT.	CONT.	
Platyphragmum 'M' / M. Fire Antennae	2" - 2 1/2" HT.	CONT.	
Rhododendron callicarpus / Callicarpus Rhododendron	2 1/2" - 3" HT.	CONT.	
Var. glabra compacta / Dwarf Hibiscus	18" - 24" HT.	CONT.	
Taxus canadensis 'Spartan' / English Yew	18" - 24" HT.	CONT.	
Parthenocissus vitacea / Boston Ivy	4" - 5" HT.	CONT.	
Yucca filamentosa / Lancelot Blue Yucca	3 GAL.	CONT.	
Stemodia spicata / Black Star Yucca	2 1/2" - 3" HT.	B & B	
Euonymus alatus 'Compacta' / Dwarf Burning Bush	2 1/2" - 3" HT.	CONT.	
Hydrangea arborescens 'Annabelle' / Hydrangea	3 GAL.	CONT.	

\* All plantings to be verified by the Town of Carmel Wetland Inspector.

- Planting Notes:**
- All plant material to be nursery grown.
  - Plants shall conform with the American Association of Nurserymen Standards in all respects including dimensions.
  - Plants shall be planted in all locations designed on the plan or as stated in the field by the project Landscape Architect.
  - All plants shall be hardy under climate conditions similar to those in the locality of the project.
  - 4" pipe back mulch shall be spread over all landscaped areas.
  - All proposed mulched areas to receive 4" min. depth of topsoil and all proposed planting beds to receive a 12" min. depth of topsoil.
  - For all additional notes see detail sheets.
  - In addition to these standards, all plantings will be installed per §142 of the Town of Carmel Code.

- LIGHTING NOTES:**
- All site lighting shall be solar powered.
  - Material, type and shade of all luminaires to be selected by owner and approved by the Planning Board.
  - Proposed lights will run on photocells.
  - Type, location, and spacing of all proposed lighting shall present the approval of the Planning Board.
  - All light fixtures to be full cutoff to comply with dark sky guidelines.

3	9-29-21	GENERAL REVISION	MEU
2	8-30-21	GENERAL REVISION	MEU
1	7-19-21	GENERAL REVISION	MEU

NO. DATE REVISION BY

**INSITE**  
ENGINEERING, SURVEYING &  
LANDSCAPE ARCHITECTURE, P.C.

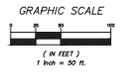
PROJECT: THE HAMLET AT CARMEL  
MULTI-FAMILY HOUSING DEVELOPMENT  
30000 CARMEL, CA 95008

DRAWING: LAYOUT, LANDSCAPING & LIGHTING PLAN

PROJECT NO.	14211.100	PROJECT MANAGER	J.J.C.	DRAWING NO.	3	SHEET	10
DATE	2-10-21	DRAWN BY	M.E.U.	CHECKED BY	SP-2		
SCALE	1" = 50'	CHECKED BY	J.J.C.				

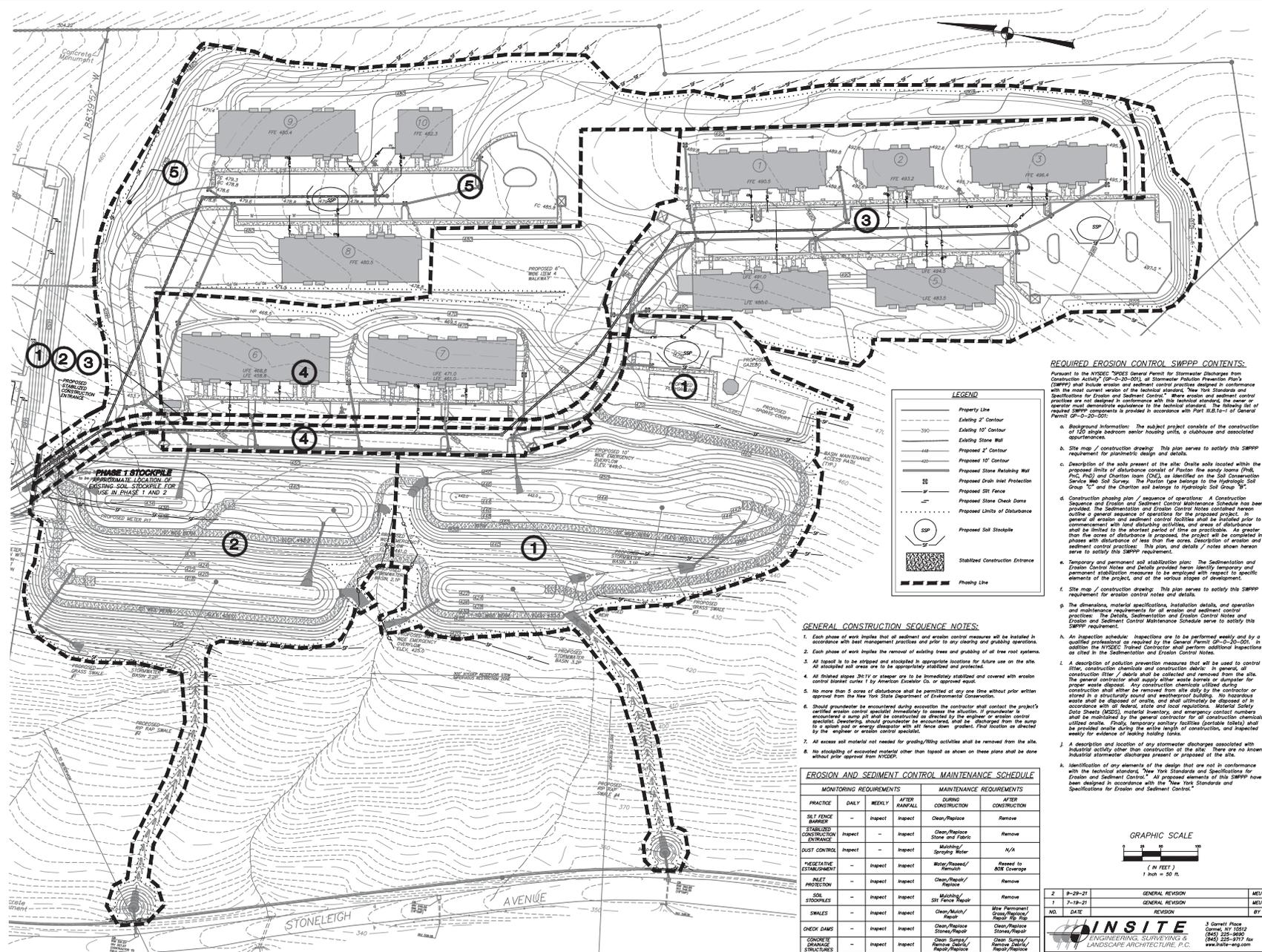
**LEGEND**

- Property Line
- Existing Stone Wall
- Existing Utility Pole with Overhead Wires
- Existing Tree Line
- Existing Tree Line to be Lighted
- Building Setback Line
- Proposed Tree Line
- Proposed Stone Retaining Wall
- Proposed Culvert
- Proposed Post Mounted Light
- Proposed Pole Mounted Light
- Proposed Curb and Parking
- Proposed Landscaping



DATE PLOTTED: 02/10/2021 10:00:00 AM BY: J.J.C.





**REQUIRED EROSION CONTROL SWPPP CONTENTS:**

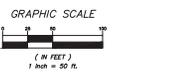
- Pursuant to the NYSDC "SPDES" General Permit for Stormwater Discharges from Construction Activity (19-2-20-00) at Stormwater Pollution Prevention Plan 2 (SWPPP) shall include erosion and sediment control practices designed in conformance with the latest current and applicable New York State Standards and Specifications for Erosion and Sediment Control. The plan and sediment control practices are not designed in conformance with the current standards, the owner or designer must demonstrate compliance with the current standards. The inclusion of required SWPPP components is provided in accordance with Part 16.1(a)-1 of General Permit 19-2-20-00.
- Background information: the subject project consists of the construction of 155 single bedroom senior housing units, a clubhouse and associated outbuildings.
  - Site map / construction drawing: This plan serves to satisfy this SWPPP requirement for planimetric design and details.
  - Description of the sales present at the site: On-site soils located within the proposed limits of disturbance consist of Paxon five sandy loams (Pax1, Pax2, Pax3) and Chertan loam (Ch1), as identified on the Soil Conservation Service Web Soil Survey. The Paxon type belongs to the hydrologic Soil Group "C" and the Chertan soil belongs to Hydrologic Soil Group "B".
  - Construction phasing plan / sequence of operations: A Construction Sequence and Erosion and Sediment Control Maintenance Schedule has been provided. The Sedimentation and Erosion Control Notice contained herein shall be maintained throughout the entire project. In the event of a disturbance, the project shall be limited to the shortest period of time as practicable. As greater than the area of disturbance is proposed, the project shall be limited to the shortest period of time as practicable. Description of erosion and sediment control practices: This plan and details of notice shown herein serve to satisfy this SWPPP requirement.
  - Temporary and permanent soil stabilization plan: The Sedimentation and Erosion Control Notice and Details provided herein identify temporary and permanent stabilization measures to be employed with respect to specific elements of the project, and at the various stages of development.
  - Site map / construction drawing: This plan serves to satisfy this SWPPP requirement for planimetric design and details.
  - The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices: The Details, Sedimentation and Erosion Control Notice and Erosion and Sediment Control Maintenance Schedule serve to satisfy this SWPPP requirement.
  - An inspection schedule: Inspections are to be performed weekly and by a qualified professional as required by the General Permit 19-2-20-00. In addition, the NYSDC Trained Contractor shall perform additional inspections as called for in the Sedimentation and Erosion Control Notice.
  - A description of pollution prevention measures that will be used to control silt, construction chemicals and construction debris: In general, all construction silt, debris shall be collected and removed from the site. All construction waste shall be disposed of at a permitted facility. All construction chemicals utilized during construction shall be disposed of on-site, and shall ultimately be disposed of in a structurally sound and weatherproof building. No hazardous waste shall be disposed of on-site, and shall ultimately be disposed of in accordance with all Federal, state and local regulations. Material Safety Data Sheets (MSDS), material inventories, and emergency contact numbers shall be maintained by the general contractor for all construction chemicals utilized on-site. Finally, temporary sanitary facilities (portable toilets) shall be provided on-site during the entire length of construction, and inspected weekly for evidence of leaking holding tanks.
  - A description and location of any stormwater discharges associated with industrial facility other than construction of the site: There are no storm water discharges permitted or proposed at the site.
  - Identification of any elements of the design that are not in conformance with the applicable standards, New York Standards and Specifications for Erosion and Sediment Control: All proposed elements of this SWPPP have been designed in accordance with the New York Standards and Specifications for Erosion and Sediment Control.

**GENERAL CONSTRUCTION SEQUENCE NOTES:**

- Each phase of work includes that of sediment and erosion control measures to be installed in accordance with best management practices and prior to any clearing and grading operations.
- Each phase of work implies the removal of existing trees and grubbing of all tree root systems.
- All topsoil to be stripped and stockpiled in appropriate locations for future use on the site. All stockpiled soil areas to be appropriately stabilized and protected.
- All stockpiled soils 20-1V or steeper are to be immediately stabilized and covered with erosion control blanket under 1 by American Excavator Co. or approved equal.
- No new trees or types of disturbance shall be permitted at any new site without prior written approval from the New York State Department of Environmental Conservation.
- Should groundwater be encountered during excavation the contractor shall contact the project's certified erosion control specialist immediately to assess the situation. If groundwater is encountered a sump pit shall be constructed as directed by the engineer or erosion control specialist. Groundwater should not be discharged from the sump to a stream or energy absorber with all fences down gradient. Final location as directed by the engineer or erosion control specialist.
- All access soil material not needed for grading/fitting activities shall be removed from the site.
- No stockpiling of excavated material other than topsoil as shown on plans shall be done without prior approval from NYSDC.

**EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE**

MONITORING REQUIREMENTS	PRACTICE		MAINTENANCE REQUIREMENTS	
	DAILY	WEEKLY	DURING CONSTRUCTION	AFTER CONSTRUCTION
SILT FENCE	-	Inspect	Clean/Repair	Remove
STABILIZED CONSTRUCTION ENTRANCE	Inspect	-	Clean/Repair Stone and Fabric	Remove
DUST CONTROL	-	Inspect	Mulch/Grass Spraying Note	N/A
VEGETATIVE ESTABLISHMENT	-	Inspect	Mulch/Grass/Seed/Planting	Need to ROW Coverage
PROTECTION	-	Inspect	Clean/Repair/Replace	Remove
SOIL STOCKPILES	-	Inspect	Mulch/Grass/Seed/Planting	Remove
SWALES	-	Inspect	Clean/Mulch/Seed/Planting	Use Permanent Grass/Planting
CHECK DAMS	-	Inspect	Clean/Repair Stone/Repair	Clean/Repair Stone/Repair
CONCRETE DRAINAGE STRUCTURES	-	Inspect	Clean/Repair	Remove Damaged/Repair/Reconstruct
DRAINAGE PIPES	-	Inspect	Clean/Repair	Clean/Repair
ROAD & PAVEMENT	-	Inspect	Clean	Clean
VEGETATION	-	Inspect	Clean	See Permanent Grass/Planting



**GENERAL NOTES:**

- Property boundaries shown herein taken from subdivision plat entitled "Boundary Line Adjustment Map" prepared for Fulton Community Foundation and Fulton Hospital Center, filed January 4, 2006 on map no. 3008.
- Existing conditions and topography shown herein taken from survey entitled "Topographic Survey prepared for the Fulton Community Foundation", prepared by Terry Department Civils, L.L.C. last revised April 25, 2007.

**SEDIMENTATION & EROSION CONTROL NOTES:**

- The Erosion Control Plan is to be referred to for the installation, operation and erosion control measures. For all other construction related activities, including, but not limited to, grading and utility, refer to the appropriate drawings.
- All soil erosion and sediment control practices shall be installed in accordance with New York Standards and Specifications for Erosion & Sediment Control, latest edition.
- Wherever feasible, natural vegetation shall be retained and protected.
- When land is exposed during development, the exposure shall be kept to the shortest practical period of time.
- Existing fences and hay bales shall be installed as shown on drawing prior to beginning any clearing and grubbing or earthwork.
- All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded with K-31 Perennial Tall Fescue.

- Any graded area not subject to further disturbance or construction (within shall, within 10 days of final grading, receive permanent vegetation cover a combination with a seed mixture. All seeded areas to receive a minimum 4" layer (based Seed mixture to be planted between April 1 and May 15, or between August 15 and October 15 or as directed by project representative at a rate of 50 pounds per acre in the following proportions:  
Kentucky Bluegrass 40%  
Creeping Red Fescue 20%  
Annual Ryegrass 20%
- Soil Hay or annual grass seed applied at a rate of 50 lbs./2000 s.f. or 2.5 tons/acre. To be applied and anchored according to the above.
- SEI fences and hay bales shall be installed after mechanical or hydroseeding methods and shall be installed in accordance with the current edition of the NYSDC Standard Specifications, Construction and Materials, Section 610-3.02, Method No. 1.

- Out or fit slopes steeper than 2:1 shall be established immediately after grading.
- Power rockeries shall be kept close at all times.
- The site shall at all times be graded and maintained such that all stormwater runoff is directed to full erosion and sediment control facilities.
- All storm discharge outlets shall be stabilized, as required, before the discharge points become operational.
- Stormwater from disturbed areas must be passed through erosion control device before discharge beyond disturbed areas or discharged into other drainage.
- Sedimentation and erosion control measures shall be inspected and maintained on a daily basis by NYSDC Trained Contractor to insure that silt fences, temporary and permanent silt fences and pipes are clear of debris, that sedimentation and silt fences have not been disrupted and that all silt fences and all fences are intact. Any failure of sediment and erosion control measures shall be immediately reported by the contractor and inspected by approved by the NYSDC Trained Contractor and/or site engineer.

- Dust shall be controlled by spraying or other approved methods as necessary, or as directed by the NYSDC Trained Contractor.
- Cut and fill shall not endanger adjoining property, nor divert water onto the property of others.
- All fills shall be compacted to provide stability of material and to prevent settlement.
- The NYSDC Trained Contractor shall inspect downstream conditions for evidence of sedimentation on a weekly basis and other violations.
- As warranted by their conditions, specify additional sedimentation and erosion control measures, as specified by the site engineer and/or Ten Engineer shall be installed by the contractor.
- Erosion control measures shall remain in place until all disturbed areas are suitably stabilized.

Personnel responsible for construction shall adhere to the plan details and shall be responsible for implementation of the maintenance schedule during and after construction by:  
The project of General Associates, LLC  
27 Riva E. Suite 207  
Carmel, NY 12026  
and/or the current owner(s) of the subject property.

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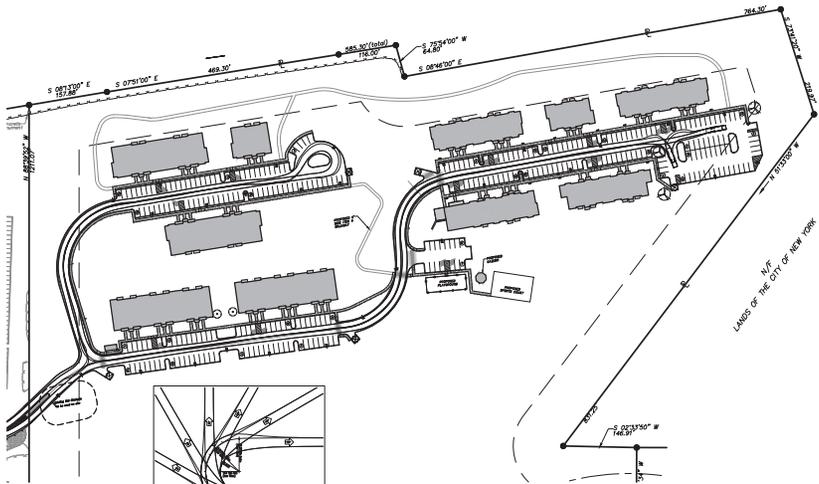
3 Carroll Place  
Carmel, NY 12026  
(518) 238-9900  
www.insite-eng.com

PROJECT: THE HAMLET AT CARMEL  
MULTI-FAMILY HOUSING DEVELOPMENT  
2005-2006, 2007, 2008, 2009, 2010, 2011, 2012

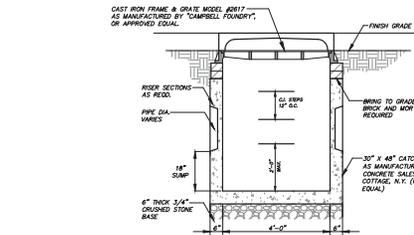
DRAWING: EROSION CONTROL & PHASING PLAN

PROJECT NO.	14211-100	PROJECT MANAGER	J.L.C.	DRAWING NO.	5
DATE	2-10-21	DRAWN	J.E.C.	SHEET	10
SCALE	1" = 50'	CHECKED BY	J.L.C.		

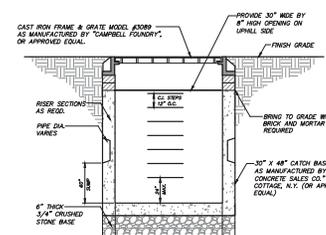




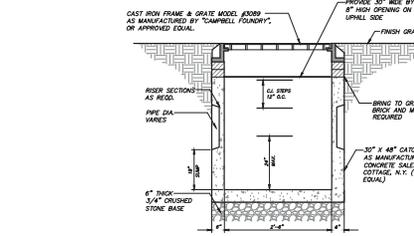
**MANEUVERING PLAN**  
**F-ONE AERIAL FIRE TRUCK**  
 1" = 50'  
 Note: See drawing 201-1 for maneuvering through Fulton Hospital site to Stonehatch Avenue.



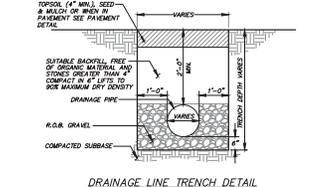
**CATCH BASIN DETAIL**  
 (STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING)



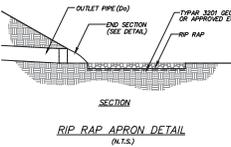
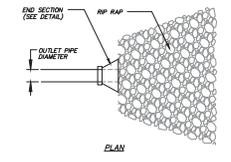
**DEEP SUMP SIDE DRAIN INLET DETAIL**  
 (STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING)



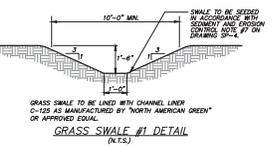
**SIDE DRAIN INLET DETAIL**  
 (STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING)



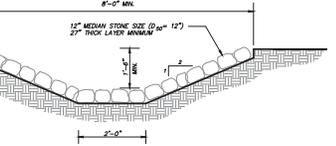
**DRAINAGE LINE TRENCH DETAIL**  
 (N.T.S.)



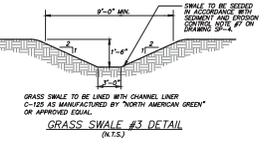
**RIP RAP APRON DETAIL**  
 (N.T.S.)



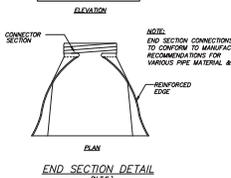
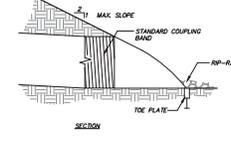
**GRASS SWALE #1 DETAIL**  
 (N.T.S.)



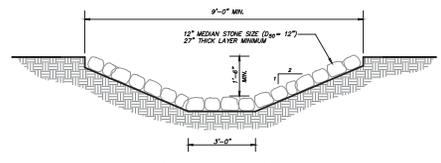
**RIP RAP SWALE #2 DETAIL**  
 (N.T.S.)



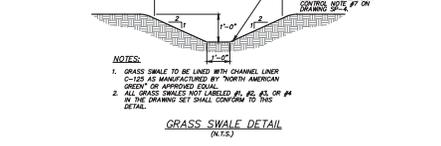
**GRASS SWALE #3 DETAIL**  
 (N.T.S.)



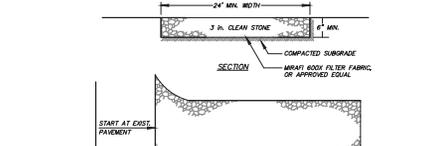
**END SECTION DETAIL**  
 (N.T.S.)



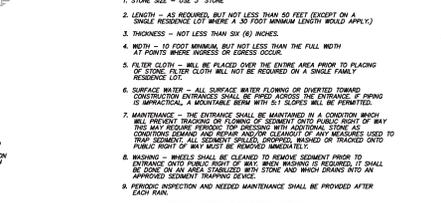
**RIP RAP SWALE #4 DETAIL**  
 (N.T.S.)



**GRASS SWALE DETAIL**  
 (N.T.S.)



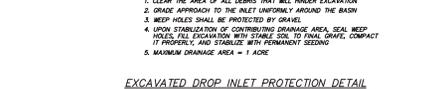
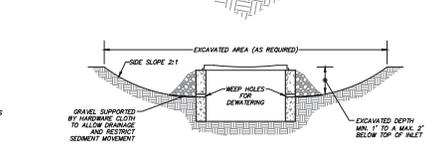
**STONE CHECK DAM DETAIL**  
 (N.T.S.)



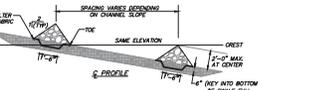
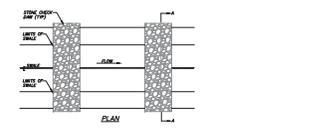
**TEMPORARY SOIL STOCKPILE DETAIL**  
 (N.T.S.)



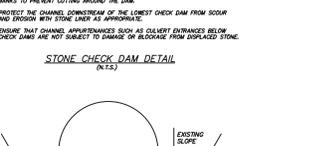
**STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
 (N.T.S.)



**EXCAVATED DROP INLET PROTECTION DETAIL**  
 (N.T.S.)



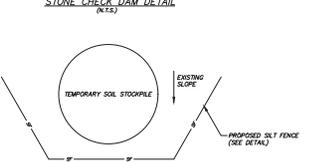
**TEMPORARY SOIL STOCKPILE DETAIL**  
 (N.T.S.)



**SILTING FENCE DETAIL**  
 (N.T.S.)

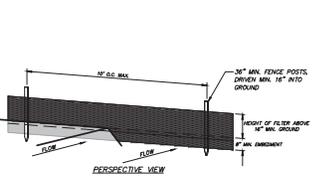
- INSTALLATION NOTES**
- STONE SIZE - USE 3" STONE
  - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY)
  - THICKNESS - NOT LESS THAN 6" (6" MINIMUM)
  - WIDTH - 10 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR
  - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION OPERATIONS SHALL BE KEPT ACROSS THE ENTRANCE. IF DRIVING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOES OF DEBRIS AND PUBLIC RUBBISH OF ANY TYPE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE. ANY CONDITIONAL DAMAGE AND REPAIR AND/OR CLEANUP OF ANY MEASURES USED TO FULLY RESTORE ALL FLOES TO THEIR ORIGINAL CONDITION OR TRACKED OVER TO PUBLIC RIGHT OF WAY MUST BE RECORDED IMMEDIATELY.
  - WARNING - SIGNEES SHALL BE PLACED TO REMOVE SEEDMENT PRIOR TO ENTRANCE. SIGNEES SHALL BE PLACED TO REMOVE SEEDMENT. IT SHALL BE KEPT IN ALL AREAS STABILIZED WITH STONE AND INCH DRIVING TO AN APPROVED SEEDMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

- NOTES**
- STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION STONE TO BE WELL-GRADED 2" TO 3" DIAMETER
  - SET SPACING OF CHECK DAMS SO THAT THE ELEVATIONS OF THE CREST OF THE CONSTRUCTION DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM
  - EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE BOTH BANKS TO PREVENT EROSION BEHIND THE DAM
  - PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND INGRESS WITH STONE LAYER AS APPROPRIATE
  - ENSURE THAT CHANNEL IMPEDIMENTS SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO SCOUR OR BLOCKAGE FROM DISPLACED STONE

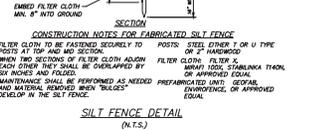


**SILTING FENCE DETAIL**  
 (N.T.S.)

**TEMPORARY SOIL STOCKPILE DETAIL**  
 (N.T.S.)



**SILTING FENCE DETAIL**  
 (N.T.S.)



**SILTING FENCE DETAIL**  
 (N.T.S.)

NO.	DATE	REVISION	BY
2	8-29-21	GENERAL REVISION	MEV
1	7-19-21	GENERAL REVISION	MEV

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3 Carroll Place  
 New York, NY 10012  
 (914) 235-8900  
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**PROJECT:**  
 THE HAMLET AT CARMEL  
 MULTI-FAMILY HOUSING DEVELOPMENT  
 EMBURY PARKS, TOWN OF CARMEL, MONTELEONE COUNTY, NEW YORK

**DRAWING:**  
 SITE DETAILS

**PROJECT NO.:** 14211.100  
**DATE:** 2-10-21  
**SCALE:** AS SHOWN

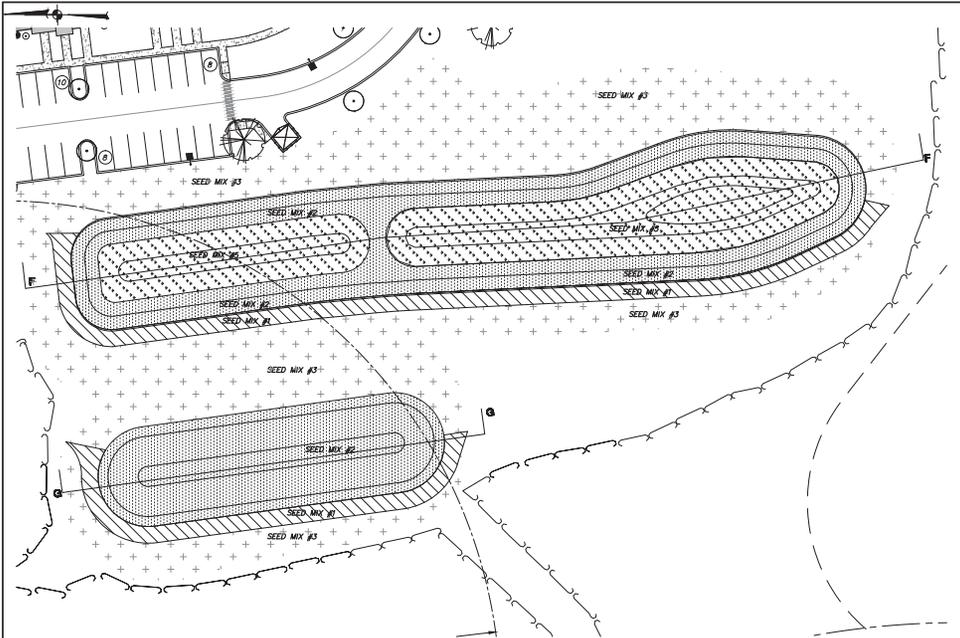
**PROJECT MANAGER:** J.J.C.  
**DRAWN BY:** M.E.U.  
**CHECKED BY:** J.J.C.

**DRAWING NO.:** D-2  
**SHEET:** 7/10

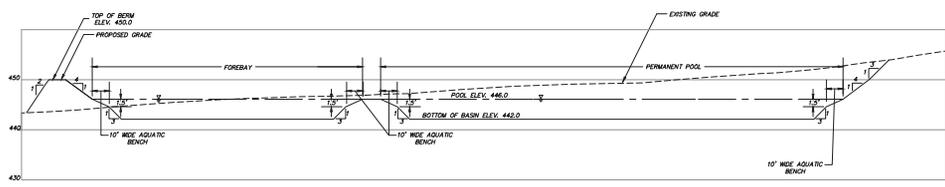
ALLOCATION OF THIS DOCUMENT GRANTED UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 2008 OF ARTICLE 17-B OF THE EDUCATION LAW



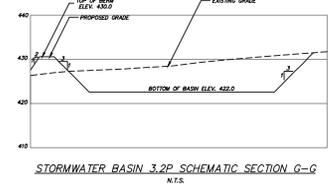




STORMWATER BASINS 3.1P AND 3.2P ENLARGED PLAN VIEW  
Scale: 1"=30'

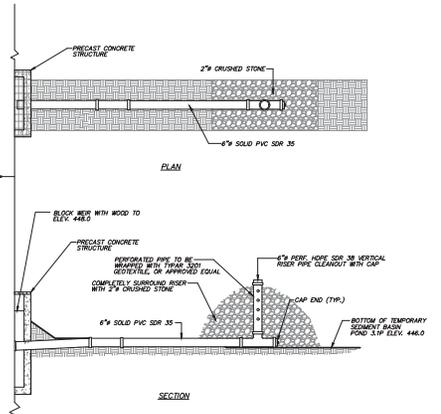


STORMWATER BASIN 3.1P SCHEMATIC SECTION F-F  
N.T.S.

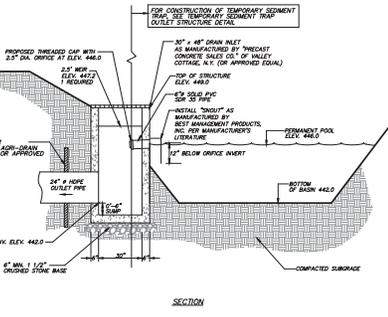
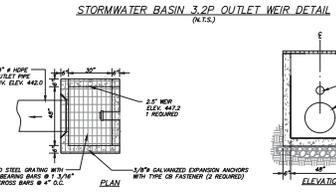
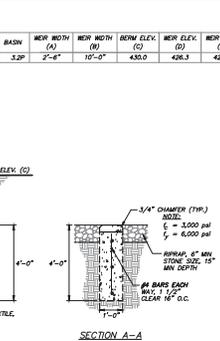
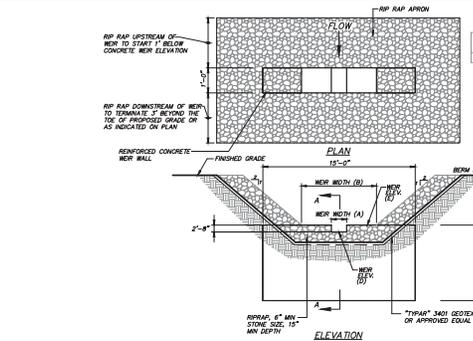


STORMWATER BASIN 3.2P SCHEMATIC SECTION G-G  
N.T.S.

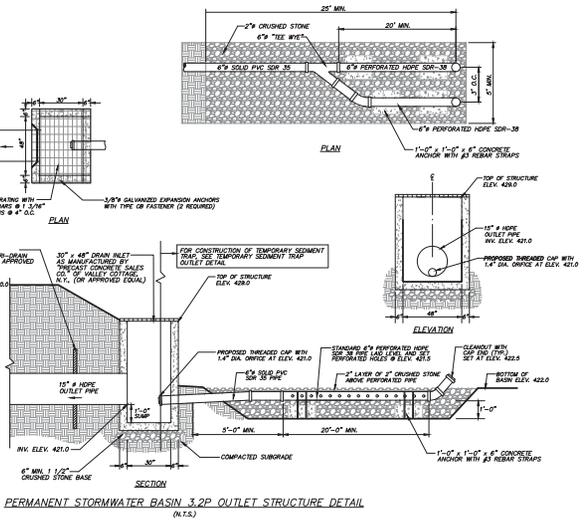
FOR ADDITIONAL BASIN CONSTRUCTION DETAILS, SEE THE PERMANENT STORMWATER BASIN OUTLET STRUCTURE DETAIL FOR BASIN 3.1P.



TEMPORARY SEDIMENT TRAP 3.1P OUTLET DETAIL  
(N.T.S.)



PERMANENT STORMWATER BASIN 3.1P OUTLET STRUCTURE DETAIL  
(N.T.S.)



PERMANENT STORMWATER BASIN 3.2P OUTLET STRUCTURE DETAIL  
(N.T.S.)

STORMWATER BASIN OUTLET NOTES

1. THE BASINS ARE PROPOSED TO BE UTILIZED AS TEMPORARY SEDIMENT TRAPS (STP) DURING CONSTRUCTION.
2. AFTER THE CONSTRUCTING AREAS TO THE BASINS HAVE BEEN PERMANENTLY STABILIZED, THE FOLLOWING SHALL BE ACCOMPLISHED:
  - A. CLEAN BASINS AND OUTLET STRUCTURES AND REMOVE 6\"/>
  - B. ADD THREADED CAP WITH ORifice AT DISCHARGE END OF 6\"/>
  - C. REPLACE THE PROPOSED RIP RAP AND CRUSHED STONE. DO NOT REPLACE FILTER FABRIC.
  - D. ESTABLISH THE FINAL VEGETATION IN THE BASINS IN ACCORDANCE WITH THE STORMWATER BASIN PLANTING DETAILS.
  - E. FOR BASINS 3.1P AND 3.2P, LOCATE BOTTOM OF TRIP TO PERMANENT STORMWATER BASIN BOTTOM. ANY EXCESS SOIL SHALL BE REMOVED TO EXPOSE THE RIP RAP AND 1/2\"/>
  - F. CONSTRUCTION CUTS SHALL BE ACCOMPANIED ON AT A TRAP. THIS WILL ALLOW FOR THE RIP RAP AND CRUSHED STONE TO BE REINSTALLED. THE RIP RAP AND CRUSHED STONE SHALL NOT START UNDER THE TRAP.
3. THE 6\"/>
  - A. WHEN FULLY USED AS THE TEMPORARY SEDIMENT TRAP, REMOVING DEVICE THE RIPER SHALL BE WRAPPED WITH THIN RIP STOP (SEECTION OF APPROVED EQUAL AND SURROUNDED WITH 2\"/>
  - B. THE TOP OF THE RIPER SHALL BE SET AT THE SAME ELEVATION AS THE WEIRS AS SHOWN IN THE STORMWATER BASIN OUTLET STRUCTURE DETAILS.
  - C. WHEN THE PERMANENT RIPER FOR BASIN IS CONSTRUCTED THE RIPER SHALL BE UNWRAPPED WITH THE TOP ELEVATION SET AT SPECIFIED ELEVATION.

PLANTING NOTES:

1. All proposed planting beds to receive a 12\"/>
2. Any new soils added will be amended as required by results of soil testing and placed using a method that will not cause compaction.
3. No fertilizer shall be added in stormwater basin plantings. Nutrient requirements to be met by incorporation of acceptable organic matter.
4. All plant material to be nursery grown.
5. Plants shall conform with ANSI Z661 American Standard for Nursery Stock in all ways including dimensions.
6. Plant material shall be taken from healthy nursery stock.
7. All plants shall be grown under climate conditions similar to those in the locality of the project.
8. Plants shall be planted in all locations depicted on the plan or as indicated in the field by the Landscape Architect and approved by the City Engineer.
9. The location and layout of landscape plants shown on the site plan shall take precedence in any discrepancies between the quantities of plants shown on the plans and the quantity of plants in the Plant List.
10. Provide a 3\"/>
11. All landscape plantings shall be maintained in a healthy condition at all times. Any dead or diseased plants shall immediately be replaced "in kind" by the contractor (during warranty period) or project owner.
12. For all areas to be planted with emergent vegetation, and shall be disconnected using filling or other method approved by Landscape Architect and amended as required by results of soil testing to a depth of at least 12\"/>
13. Upon that grading and placement of topsoil and any required soil amendments, areas to receive permanent vegetation cover a combination with suitable mulch as follows:
  - mulch: mulch shall be applied and maintained according to New York State Department of Environmental Conservation and Department of Agriculture, Market 301.
  - mulch: mulch shall be applied and maintained according to New York State Department of Environmental Conservation and Department of Agriculture, Market 301.
  - if the season prevents the establishment of a permanent vegetation cover, the disturbed areas shall be mulched with straw or equivalent.
14. All proposed seeded areas to stormwater basins to receive a 4\"/>
15. The Stormwater Basin seed mixes as specified on these drawings from New England Wetland Plants, Inc. of Amherst, MA, are as follows:
  - A. Seed Mix #1 at a rate of 35 lbs. per acre. New England Erosion Control/Restoration Mix (for Detention basins and Moist Wetland Plants).
  - B. Seed Mix #2 at a rate of 23 lbs. per acre. New England Wetland Mix.
  - C. Seed Mix #3 at a rate of 25 lbs. per acre. New England Conservation/Grass Mix.
  - D. Seed Mix #4 at a rate of 25 lbs. per acre. New England Restoration/Grass/Forrest Seed Mix.
  - E. Seed Mix #5 at a rate of 15 lbs. per acre. New England Wetland Mix.
16. Invoicing of seeds including specific bench to be seeded. Permanent water to be drawn down same seeded areas until vegetation establishes.

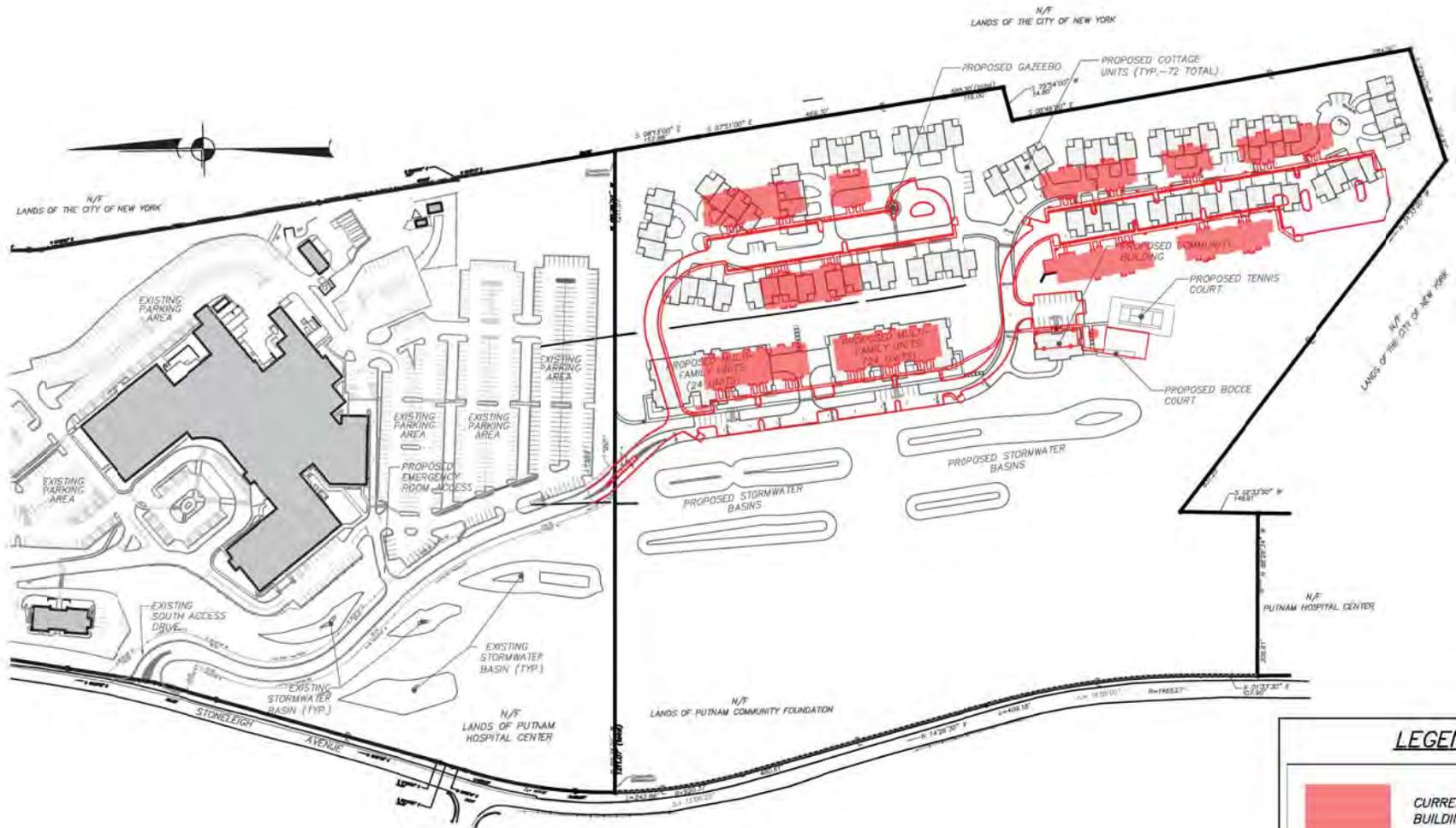
2	8-29-21	GENERAL REVISION	MEV
1	7-13-21	GENERAL REVISION	MEV
NO.	DATE	REVISION	BY

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(914) 235-8900  
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PROJECT: THE HAMLET AT CARMEL  
MULTI-FAMILY HOUSING DEVELOPMENT  
SHERMAN PARKS, TOWN OF CARMEL, MONTE COUNTY, NEW YORK

DRAWING: STORMWATER POND DETAILS

PROJECT NO.	14211.100	PROJECT MANAGER	J.J.C.	DRAWING NO.	SHEET
DATE	2-10-21	DRAWN BY	M.E.U.	D-5	10
SCALE	AS SHOWN	CHECKED BY	J.J.C.		



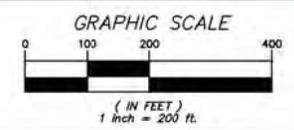
**LEGEND**

CURRENTLY PROPOSED BUILDINGS & LAYOUT

PROJECT: **THE HAMLET AT CARMEL**  
 STONELEIGH AVENUE, TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK

DRAWING: **PROJECT COMPARISON FIGURE**

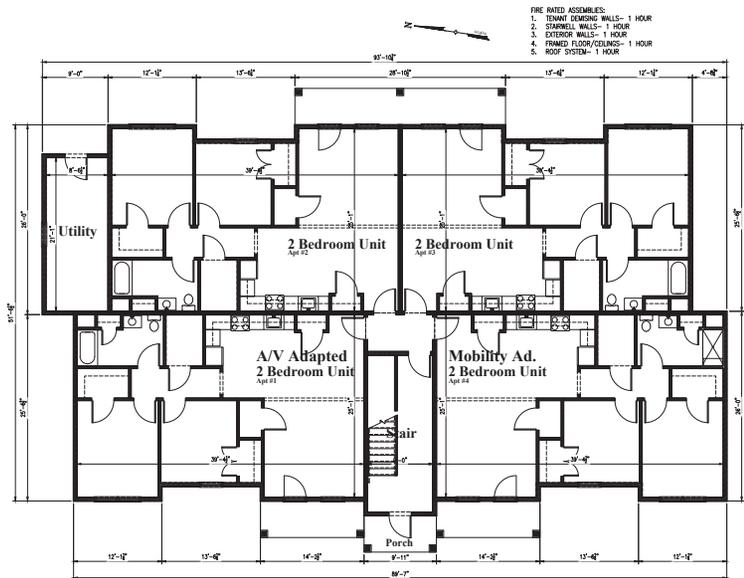
PREPARED BY: **INSITE**  
 ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.  
 3 Garrett Place • Carmel, New York 10512  
 Phone (845) 225-9690 • Fax (845) 225-9717  
 www.insite-eng.com



DATE: 9-29-2021  
 SCALE: 1" = 200'  
 PROJECT NO.: 14211.100  
 FIGURE: CF-1

Z:\14211100\Misc\Draws\CF-1.dwg, 9/28/2021 9:07:22 PM, arhpcorp, 11





- FIRE RATED ASSEMBLIES:  
 1. TENANT DEMING WALLS- 1 HOUR  
 2. STAIRWELL WALLS- 1 HOUR  
 3. EXTERIOR WALLS- 1 HOUR  
 4. FINISHED FLOOR/CEILING- 1 HOUR  
 5. ROOF SYSTEM- 1 HOUR

4,483 s.f.  
 4,376 s.f. int.  
 (4) 2 BR Units

**1 Building #2 First Floor Plan**  
 A2 Scale: 1/8"=1'-0"



**2 Building #2 West (Front) Elevation**  
 A2 Scale: 1/8"=1'-0"

Typical Exterior Finishes:  
 Fibercement Siding  
 Fibercement Shakes  
 Fiberglass Shingles  
 Composite Trim Boards  
 Energy Star Windows  
 Fiberglass Columns

*Design, Architecture & Planning*  
 6 Old North Plank Road  
 Suite 101  
 Newburgh, NY 12550  
 TEL: 845-561-3559  
 FAX: 845-561-2051  
 ajcoppola@coppola-associates.com

LICENSE NUMBER: 018849

"PROPOSED MULTIFAMILY DWELLINGS FOR"

**The Hamlet at Carmel**

Town of Carmel, NY

**Building #2  
 First Floor Plan &  
 Front Elevation**

REVISIONS
DATE
9/24/21
PROJECT NUMBER
21-27
SHEET NUMBER



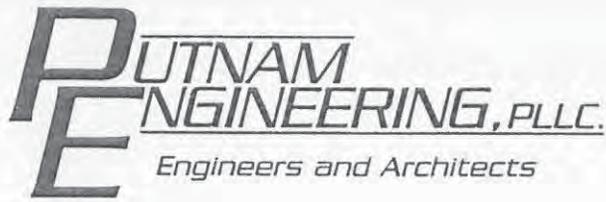












September 30, 2021

Mr. Craig Paepfer, Chairman  
Town of Carmel Planning Board  
60 McAlpin Avenue  
Mahopac, NY 10541

Re: Tompkins Recycling  
70 Old Route 6  
Carmel, NY  
T.M. #55.11-1-15

Dear Chairman Paepfer and Members of the Board:

An extension of the site plan approval was granted to 70 Old Route 6, LLC for the Tompkins Recycling Project on October 21, 2020 for a period of one year. We request that the Board consider a reapproval of the site plan at this time. The Board should be aware that this property is currently in contract for sale to a buyer who is looking to construct the facility.

The project has the following permits:

1. Town of Carmel – Site Plan Approval - Expires 10/21/21
2. Town of Carmel Wetland Permit - Expires 8/19/22
3. N.Y.S.D.E.C. – Solid Waste Management Permit - Expires 2/7/24
4. N.Y.S.D.E.C. – Freshwater Wetland Permit - Expires 12/4/22
5. N.Y.C.D.E.P. – SWPPP Approval - Expires 3/29/22
6. N.Y.S.D.E.C. – General General Permit G.P.-0-10-001 Permit #NYR10Q049. This permit is valid (open) until an N.O.T. is filed to close out the project.

FEMA has issued a conditional letter of map revision (7/24/14) based on fill which will remove the property from the flood plain once as-built topographic survey is submitted verifying compliance with the design drawings.

Sincerely,

PUTNAM ENGINEERING, PLLC

A handwritten signature in black ink, appearing to read 'Paul M. Lynch', is written over a horizontal line.

Paul M. Lynch, P.E.  
PML/rrm

L1939