

ROBERT LAGA  
*Chairman*

NICHOLAS FANNIN  
*Vice Chairman*

ROSE TROMBETTA  
*Secretary*

**TOWN OF CARMEL**  
**ENVIRONMENTAL CONSERVATION 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)

**BOARD MEMBERS**

Edward Barnett  
Vincent Turano  
John Starace

**ENVIRONMENTAL CONSERVATION BOARD AGENDA**

**APRIL 5, 2018 – 7:30 P.M.**

**SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION**

<b><u>APPLICANT</u></b>	<b><u>ADDRESS</u></b>	<b><u>TAX MAP #</u></b>	<b><u>COMMENTS</u></b>
1. Mazzola, Joseph & Concetta	39 Carmine Drive	75.14-1-25	Construction of Septic System

**MISCELLANEOUS**

2. Minutes – 12/21/17

ROBERT LAGA  
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**APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION**

Name of Applicant: Joseph & Concetta MAZZOLA c/o Mike MAZZOLA

Address of Applicant: 278 Route 202 Email: mike@mazzolacpa.com  
Somers NY 10589

Telephone# 914 277 8000 Name and Address of Owner if different from Applicant:

Same

Property Address: 39 Carmine Drive Tax Map # 75.14-1-25

Agency Submitting Application if Applicable: -

Location of Wetland: rear of property

Size of Work Section & Specific Location: Disturb 0.1 Acre of 100 Ft adjacent area of  
Will Project Utilize State Owned Lands? If Yes, Specify: no state wetland ML-10

Type and extent of work (feet of new channel, yards of material to be removed, draining, dredging, filling, etc). A brief description of the regulated activity (attach supporting details).

construction of septic system partially within 100 ft  
adjacent area of wetland ML-10. DEC permit attached.

Proposed Start Date: May 1, 2018 Anticipated Completion Date: May 1, 2019 Fee Paid \$                     

**CERTIFICATION**

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief, false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. As a condition to the issuance of a permit, the applicant accepts full legal responsibility for all damage, direct or indirect, or whatever nature, and by whomever suffered, arising out of the project described here-in and agrees to indemnify and save harmless the Town of Carmel from suits, actions, damages and costs of every name and description resulting from the said project.

M. J. Mazzola  
SIGNATURE

3/14/18  
DATE

# Short Environmental Assessment Form

## Part 1 - Project Information

### Instructions for Completing

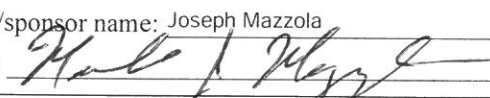
**Part 1 - Project Information.** The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

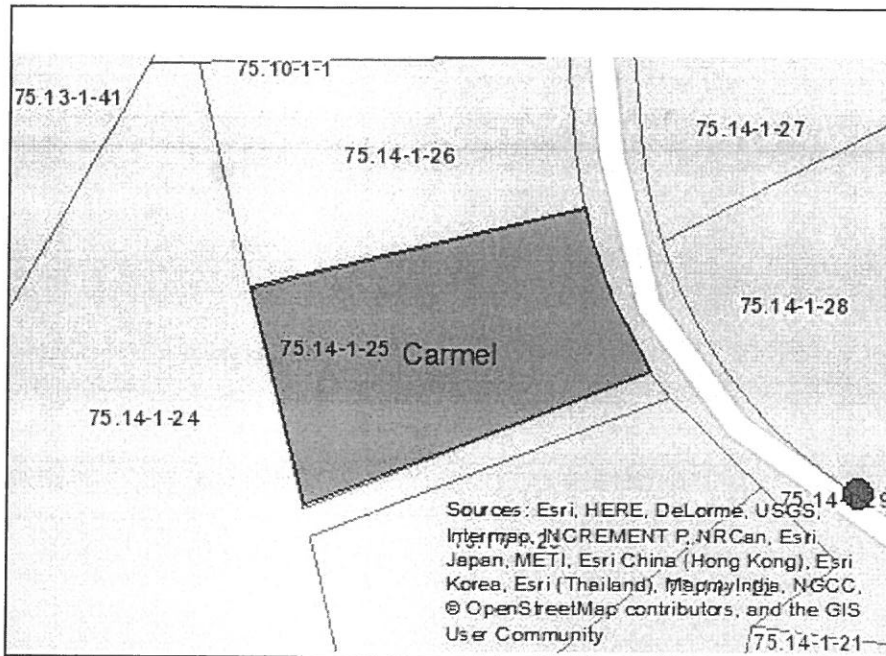
Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

<b>Part 1 - Project and Sponsor Information</b>							
Name of Action or Project: Joseph Mazzola House							
Project Location (describe, and attach a location map): Carmine Drive, Town of Carmel at the bottom of the hill on the west side of the road.							
Brief Description of Proposed Action: Construction of a house, driveway, septic system and well. The septic system is located within 100 feet of State Wetland ML-10.							
Name of Applicant or Sponsor: Joseph and Concetta Mazzola		Telephone: 914-277 8000					
		E-Mail: mike@mazzolacpa.com					
Address: P.O. Box 311							
City/PO: Mahopac Falls		State: NY	Zip Code: 10542				
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">NO</td> <td style="width: 50%; padding: 2px;">YES</td> </tr> <tr> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> </tr> </table>	NO	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NO	YES						
<input checked="" type="checkbox"/>	<input type="checkbox"/>						
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: NYSDEC wetlands permit; Putnam County Department of Health, septic system and well; Town of Carmel SWPPP			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">NO</td> <td style="width: 50%; padding: 2px;">YES</td> </tr> <tr> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	NO	YES	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NO	YES						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
3.a. Total acreage of the site of the proposed action?		0.95 acres					
b. Total acreage to be physically disturbed?		0.55 acres					
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		0.95 acres					
4. Check all land uses that occur on, adjoining and near the proposed action. <div style="display: flex; flex-wrap: wrap;"> <div style="width: 25%;"><input type="checkbox"/> Urban</div> <div style="width: 25%;"><input type="checkbox"/> Rural (non-agriculture)</div> <div style="width: 25%;"><input type="checkbox"/> Industrial</div> <div style="width: 25%;"><input type="checkbox"/> Commercial</div> <div style="width: 25%;"><input checked="" type="checkbox"/> Residential (suburban)</div> <div style="width: 25%;"><input type="checkbox"/> Forest</div> <div style="width: 25%;"><input type="checkbox"/> Agriculture</div> <div style="width: 25%;"><input type="checkbox"/> Aquatic</div> <div style="width: 25%;"><input type="checkbox"/> Other (specify): _____</div> <div style="width: 25%;"><input type="checkbox"/> Parkland</div> </div>							

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
b. Are public transportation service(s) available at or near the site of the proposed action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ drilled well	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ septic system	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
b. Is the proposed action located in an archeological sensitive area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> Suburban			
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
16. Is the project site located in the 100 year flood plain?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		



18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____ _____	NO   <input checked="checked" type="checkbox"/>	YES   <input type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____ _____	NO   <input checked="checked" type="checkbox"/>	YES   <input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____ _____	NO   <input checked="checked" type="checkbox"/>	YES   <input type="checkbox"/>
<p><b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b></p> <p>Applicant/sponsor name: Joseph Mazzola      Date: November 11, 2017</p> <p>Signature: </p>		



**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National Register of Historic Places]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

1/5/17

# PUTNAM COUNTY DEPARTMENT OF HEALTH DIVISION OF ENVIRONMENTAL HEALTH SERVICES

## CONSTRUCTION PERMIT FOR SEWAGE TREATMENT SYSTEM

PERMIT # C-1789

Located at CARMINE DRIVE Town or Village CARMEL (T)

Subdivision name Myrtle Hts. Subd. Lot # 19 Tax Map 75.14 Block 1 Lot 25

Date Subdivision Approved 7/3/16 Renewal \_\_\_\_\_ Revision \_\_\_\_\_

Owner/Applicant Name JOSEPH & CONCETTA MAZZOLA Date of Previous Approval \_\_\_\_\_  
C/O MIKE MAZZOLA

Mailing Address 278 ROUTE 202, SOMERS, NY, Zip 10589

Amount of Fee Enclosed \$500. -

Building Type WOOD FRAME Lot Area 0.95 No. of Bedrooms 3 Design Flow GPD 450

Fill Section Only _____ Depth _____ Volume _____ <b>PCHD NOTIFICATION IS REQUIRED WHEN FILL IS COMPLETED</b>
---

**Separate Sewerage System** to consist of 1000 gallon septic tank and \_\_\_\_\_  
1000 GALLON PUMPT. 380 LF OF 2FT TRENCH

Other Requirements: \_\_\_\_\_

To be constructed by TO BE DETERMINED Address \_\_\_\_\_

**Water Supply:** \_\_\_\_\_ Public Supply From \_\_\_\_\_ Address \_\_\_\_\_

or: ☒ Private Supply Drilled by TO BE DETERMINED Address \_\_\_\_\_

I represent that I am wholly and completely responsible for the design and location of the proposed system(s) and that the separate sewage treatment system described above will be constructed as shown on the approved amendment thereto and in accordance with the standards, rules and regulations of the Putnam County Department of Health, and that on completion thereof a "Certificate of Construction Compliance" satisfactory to the Public Health Director will be submitted to the Department, and a written guarantee will be furnished the owner, his successors, heirs or assigns by the builder, that said builder will place in good operating condition any part of said sewage treatment system during the period of two (2) years immediately following the date of the issuance of the approval of the Certificate of Construction Compliance of the original system or any repairs thereto.

Signed: [Signature] P.E. X R.A. \_\_\_\_\_ Date 01-06-17

Address 121 Cushman Road, Patterson, NY, 12563 License # 53277

**APPROVED FOR CONSTRUCTION:** This approval expires two years from the date issued unless construction of the sewage treatment system has been completed and inspected by the PCHD and is revocable for cause or may be amended or modified when considered necessary by the Public Health Director. Any revision or alteration of the approved plan requires a new permit. Approved for discharge of domestic sanitary sewage only.

By: [Signature] Title: Inspector Date: 1-29-18

White copy - HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Design Professional



## PERMIT

### Under the Environmental Conservation Law (ECL)

#### Permittee and Facility Information

**Permit Issued To:**

JOSEPH / CONCETTA MAZZOLA  
PO BOX 311  
MAHOPAC FALLS, NY 10542  
(914) 277-8000

**Facility:**

MAZZOLA PROPERTY  
CARMINE DR  
MAHOPAC FALLS, NY 10542

**Facility Location:** in CARMEL in PUTNAM COUNTY **Village:** Carmel

**Facility Principal Reference Point:** NYTM-E: 603.318 NYTM-N: 4580.223  
Latitude: 41°22'00.8" Longitude: 73°45'52.7"

**Project Location:** Carmine Drive

**Authorized Activity:** Disturb 0.1 acres of the 100 foot Adjacent Area of Freshwater Wetland ML-10 (Class 1) to install a new septic system in conjunction with construction of a single family residence in strict accordance with the plans referenced in Natural Resources Permit Condition No. 1 and as conditioned in this permit. No disturbance to the wetland is authorized.

#### Permit Authorizations

**Freshwater Wetlands - Under Article 24**

Permit ID 3-3720-00428/00003

New Permit

Effective Date: 1/16/2018

Expiration Date: 12/31/2021

#### NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: SCOTT BALLARD, Deputy Regional Permit Administrator

Address: NYSDEC Region 3 Headquarters  
21 S Putt Corners Rd  
New Paltz, NY 12561

Authorized Signature: \_\_\_\_\_

Date 1/12/18



### Distribution List

Joseph and Concetta Mazzola  
John Karell, Jr P.E.  
Laurie Machung, NYCDEP  
Maria Tupper-Goebel, NYCDEP  
Kelly McKean, NYSDEC

### Permit Components

NATURAL RESOURCE PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

### Permit Attachments

Permit Sign

#### **NATURAL RESOURCE PERMIT CONDITIONS - Apply to the Following Permits: FRESHWATER WETLANDS**

- 1. Conformance With Plans** All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by John Karell, Jr. P.E., Sheet S-1, titled "Integrated Plot Plan" last revised 9/21/17, and Sheet D-1, titled "Details" last revised 5/21/17.
- 2. Post Permit Sign** The permit sign enclosed with this permit shall be posted in a conspicuous location on the worksite and adequately protected from the weather.
- 3. Notice of Intent to Commence Work** The permittee must notify Kelly McKean, NYSDEC Bureau of Habitat, via electronic mail (kelly.mckean@dec.ny.gov) at least 48 hours in advance of the time of commencement.
- 4. Clean Fill Only** All fill material utilized for this project shall consist of uncontaminated earthen materials only. Acceptable fill materials include gravel, rock, overburden, topsoil and similar natural mineral resources.





**5. Install Erosion Control as Shown on Plans** Prior to commencement of the activities authorized herein, the permittee must install securely anchored silt fencing and/or continuous staked hay bales as shown on the plans or drawings referenced in this permit. These erosion control devices must be maintained until all disturbed land is fully vegetated to prevent any silt or sediment from entering the freshwater wetland or its adjacent area. Subsequently, silt fencing, hay bales, and any accumulated sediment must be completely removed for disposal at an appropriate upland site.

**6. Seed, Mulch Disturbed Soils** All areas of soil disturbance resulting from this project (above the mean high water line) shall be seeded with an appropriate perennial grass seed and mulched with straw within one week of final grading.

**7. Maintain Mulch** Mulch shall be maintained until a suitable vegetative cover is established.

**8. Storage of Materials** Excavated materials and or fill materials shall be stockpiled more than 100 feet landward of the wetland or water body and shall be contained by straw bales or silt fencing to prevent erosion.

**9. Precautions Against Contamination of Waters** All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.

**10. State May Order Removal or Alteration of Work** If future operations by the State of New York require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.

**11. State May Require Site Restoration** If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may lawfully require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.

**12. State Not Liable for Damage** The State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.



**GENERAL CONDITIONS - Apply to ALL Authorized Permits:**

**1. Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**2. Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**3. Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator  
NYSDEC Region 3 Headquarters  
21 S Putt Corners Rd  
New Paltz, NY12561

**4. Submission of Renewal Application** The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Freshwater Wetlands.

**5. Permit Modifications, Suspensions and Revocations by the Department** The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

- a. materially false or inaccurate statements in the permit application or supporting papers;
- b. failure by the permittee to comply with any terms or conditions of the permit;
- c. exceeding the scope of the project as described in the permit application;
- d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;





- e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**6. Permit Transfer** Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

## NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

### **Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

### **Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

### **Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

### **Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

**Item E: SEQR Unlisted Action, No Lead Agency, No Significant Impact** Under the State Environmental Quality Review Act (SEQR), the project associated with this permit is classified as an Unlisted Action and the Department of Environmental Conservation has determined that it will not have a significant effect on the environment. Other involved agencies may reach an independent determination of environmental significance for this project.

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 3  
21 South Putt Corners Road, New Paltz, NY 12561-1620  
P: (845) 256-3054 | F: (845) 255-4659  
[www.dec.ny.gov](http://www.dec.ny.gov)



Department of  
Environmental  
Conservation

## IMPORTANT NOTICE TO ALL PERMITTEES

The permit you requested is enclosed. Please read it carefully and note the conditions that are included in it. The permit is valid for only that activity expressly authorized therein; work beyond the scope of the permit may be considered a violation of law and be subject to appropriate enforcement action. Granting of this permit does not relieve the permittee of the responsibility of obtaining any other permission, consent or approval from any other federal, state, or local government which may be required.

Please note the expiration date of the permit. Applications for permit renewal should be made well in advance of the expiration date (minimum of 30 days) and submitted to the Regional Permit Administrator at the above address. For SPDES, Solid Waste and Hazardous Waste Permits, renewals must be made at least 180 days prior to the expiration date.

The DEC permit number & program ID number noted on page 1 under "Permit Authorization" of the permit are important and should be retained for your records. These numbers should be referenced on all correspondence related to the permit, and on any future applications for permits associated with this facility/project area.

If a permit notice sign is enclosed, you must post it at the work site with appropriate weather protection, as well as a copy of the permit per General Condition 1.

If the permit is associated with a project that will entail construction of new water pollution control facilities or modifications to existing facilities, plan approval for the system design will be required from the appropriate Department's regional Division of Water or delegated local Health Department, as specified in the State Pollutant Discharge Elimination System (SPDES) permit.

If you have any questions on the extent of work authorized or your obligations under the permit, please contact the staff person indicated below or the Division of Environmental Permits at the above address.



Victoria Lawrence, Environmental Analyst  
Division of Environmental Permits, Region 3  
Telephone (845) 633-5454

- ☐ Applicable only if checked. Please note all work authorized under this permit is prohibited during trout spawning season commencing October 1 and ending April 30.
- ☐ Applicable only if checked for STORMWATER SPDES INFORMATION: We have determined that your project requires coverage under the General Stormwater SPDES Permit. You must file a Notice of Intent to obtain coverage under the General Permit. This form can be downloaded at: <http://www.dec.ny.gov/chemical/43133.html>
- ☐ Applicable only if checked - MS4 Areas: This site is within an MS4 area (Municipal Separate Storm Sewer System), therefore the SWPPP must be reviewed and accepted by the municipality. The MS-4 Acceptance Form must be submitted in addition to the Notice of Intent.

Send the completed form(s) to: NYS DEC, Stormwater Permitting, Division of Water, 625 Broadway, Albany, New York 12233-3505; in addition, DEC requests that you provide one electronic copy of the approved SWPPP directly to NYS DEC, 100 Hillside Avenue - Suite 1W, White Plains, NY 10603-2860.



Department of  
Environmental  
Conservation

# ENGINEERING and SWPPP REPORT

**MAZZOLA SINGLE FAMILY HOUSE CONSTRUCTION**  
CARMINE DRIVE  
CARMEL (T); TM # 75.14-1-25



## PROJECT DESCRIPTION

This application is for approval of the construction of a new single family residence with associated site improvements including a driveway, water, septic system and electrical connections and storm water improvements.

The property is a presently vacant 0.95 acre parcel in the Town of Carmel's R 3 zoning district in the Amawalk Reservoir drainage basin of the New York City's East of Hudson Watershed.

## PROPERTY HISTORY

The Myrtle Heights Subdivision was approved by the Putnam County Department of Health (PCDH) on July 31, 1969 and filed on May 21, 1970 as filed map # 1178. This property was shown as lot # 19 in "Future Section II" on this map. The owner of the property was Mazzola.

On February 6, 1976 Myrtle Heights Section II was approved by the PCDH and filed on June 22, 1976 as filed map 1178A. This property was shown on that map as part of lot 17. The owner of this property was Mazzola. The SSTS was located in the southwest corner of the property at the rear.

On October 9, 1979 the "Resubdivision of lots 16, 16A and 17" of Myrtle Heights Section II was approved by the PCDH and filed on January 4, 1980 as map # 1178B. This property was shown on that map as lot # 17. The owner of the property was Mazzola and the septic system was shown in the southwest corner of the property at the rear.

Finally, on October 24, 1986 the "Resubdivision of lot # 17" of Myrtle Heights Section III was approved by the PCDH and filed on November 14, 1986 as map 1178C. This property was shown on that map as lot # 17B. The owner of the property was Mazzola and the septic system was shown in the southwest corner of the property at the rear.

In summary, this property has been owned by Mazzola since the property was originally subdivided in 1969. The septic system was approved on all the filed maps in the southwest corner of the property at the rear of the lot. In addition, filed map 1178C proposed drainage improvements to collect and redirect existing drainage piping from Carmine Drive and adjacent properties to the south away from the house site and septic areas. These drainage facilities were installed sometime subsequent to the last approval in November 1986.

Drainage facilities that were in severe disrepair and not functioning properly to collect and redirect storm water away from the proposed house site and septic areas were installed in 2016.

### **Sewerage**

This property is lot # 17B in Section III, Myrtle Heights Realty Subdivision, filed November 17, 1986 as filed map # 1178C. The area proposed for the installation of the SSTS is in accordance with the area approved in the aforementioned subdivision.

### **Water Supply**

Water supply to the proposed dwelling will be a drilled well located in the front of the lot in the general area as shown on the subdivision map, 100 feet from all septic systems, 200 feet if downhill and in direct line of drainage.

### **Wetland and Watercourses**

The majority of the site is located within Town of Carmel and NYSDEC jurisdiction wetlands and wetland buffer. Several NYCDEP watercourses and NYSDEC wetland ML-10 have been identified on the site as shown on the plans.

The State wetland was flagged and survey located by Kayler Geoscience on August 16, 2013.

### **Flood Plain**

According to the FEMA Flood Insurance Rate Map, the subject property is not located in a flood plain area.

### **Enforcement Actions**

No enforcement actions have been commenced against the applicant for alleged violations of law related to the activity for which this approval is being sought.

## **Drainage Improvements**

### **I. Background Information**

#### **A. Project Description General**

1. The project site is presently vacant on Carmine Drive in the Town of Carmel, Putnam County, New York.
2. The site is 0.95 acres in size.
3. In 2016 a new drainage system was installed to replace the existing damaged drainage system previously installed. The purpose of this report is to address Storm Water Pollution Prevention and Management for the proposed construction of a new single family house. Total area of disturbance for the house construction is 0.55 acres.

Since the area of disturbance is less than one acre this SPPP is required to address only erosion control measures.

4. The proposed house and driveway construction will result in an increase in impervious area of 4,500 square feet.



5. Construction will begin immediately after receiving approval from the Town of Carmel of a SPPP in accordance with the provisions of the Town Code and a wetlands permit from the NYSDEC.

## **B. Existing (Pre Development) Conditions**

1. Topography and existing conditions are shown on the site plan. Soils on the property are classified by the United States Department of Agriculture Soil Conservation Service as:

Map Symbol	Soil Name	Hydrogic Group
RgB	Ridgebury Loam, 2-8%	B

2. The pre developed site to be disturbed consists of fair woods.

3. This property was an approved lot in a subdivision approved by the Town of Carmel and the Putnam County Department of Health. At the time of the approval the property was dry and ready for construction of a single family house, with no drainage issues adversely affecting the construction of the house or the septic system. Over the years construction of houses on adjacent properties resulted in piped discharges onto this property affecting the house site and septic areas.

4. In addition to the piped discharges of drainage onto this property, the area of the property near Carmine Drive exhibits a shallow groundwater table resulting in groundwater seepage overland.

5. In 2016 drainage improvements were installed as follows:

- a. **Curtain Drain:** A five (5) foot deep curtain drain was installed to intercept groundwater flowing under Carmine Drive. This curtain drain was piped into a drainage manhole which is located on the 30 inch HDPE pipe conveying stormwater from Carmine Drive to the rear of this property.

- b. **Drainage Piping Installation:** Fifteen (15) inch High Density Polyethylene (HDPE) pipe and associated manholes and catch basins were installed piped and overland stormwater discharges from adjacent properties. This new drainage piping was directed to the existing thirty (30) inch HDPE pipe in the easement on

the north side of the property. This drainage piping was installed by the Town of Carmel at some time in the past to collect and safely discharge stormwater emanating from Carmine Drive.

c. **Rip Rap Outlet Protection:** A new forty (40) foot long by twenty (20) foot wide rip rap outlet protection practice was installed at the outlet of the existing thirty (30) inch pipe discharge

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

A. Storm water conveyance for this project consists of High Density Polyethylene Pipe (HDPE), manholes, a catch basin, a rip rap outlet protection structure and a curtain drain.

## **III. Stormwater Management**

Uncontrolled stormwater discharging to the property and causing soil erosion and sedimentation will be collected in manholes and associated piping for discharge to the existing 30" diameter drainage pipe in the easement on this property and then to a rip rap outlet protection structure.

## **IV. 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 fencing, rip rap outlet protection structure with hay bales on the outlet during construction and a stabilized construction entrance. The contractor will be responsible for daily sediment cleanup behind the silt fence and hay bales at the outlet of the rip rap outlet protection structure, 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, within 7 days after ceasing activities.



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.
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, DEP or DEC permits.
9. Temporary measures shall not be removed until all disturbed areas protected by such measures are fully and properly stabilized.
10. Post construction controls that must remain in place is the rip rap outlet protection structure. Permanent non structural measures to remain in place are re-established areas of grass and landscaping within the property.

**B. Permanent Erosion Control Measures**

1. Permanent erosion control measures employed in the design of the project include stabilization of all disturbed areas and the direction of storm water to the rip rap outlet protection structure.

**V. Maintenance and Inspection of Stormwater and Erosion Control Measures**

Temporary measures will be maintained by the project developer during the entire construction period. Permanent measures will be maintained by the owner of the property.

Owner/ Applicant/Developer

Joseph and Concetta Mazzola  
P.O. Box 311  
Mahopac Falls, New York, 10542-0311

**A. Temporary Measures****1. Construction Entrance**

The construction entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto the public right of way. 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.

## **3. Stone check dam in the Rip Rap Outlet Protection Structure**

A stone check dam will be provided in the rip rap outlet protection structure to capture any soils not settled in the rip rap.

## **B. Permanent Measures**

### **1. HDPE Pipe**

Maintenance need is fairly low for HDPE pipe. Inspection shall be carried out after major storm events or once every year. If pipe is clogged or damage, repair must be made immediately.

### **2. Rip Rap Outlet Protection Structure**

Sediment and invasive species shall be removed from the rip rap structure on an annual basis.

Inspections shall be conducted annually and after major storm events for rip rap failure, slope erosion and channel blockage. Repairs and/or removal of debris will be made as necessary.

## **2. Permanent vegetation**

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

## **VI. Sequence of Construction**

The following are sequence and methods of construction for the construction of a drainage system on property owned by Joseph and Concetta Mazzola, on Carmine Drive, Carmel, 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 2017 and continue over a twelve month 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.

#### **B. Construction Sequence**

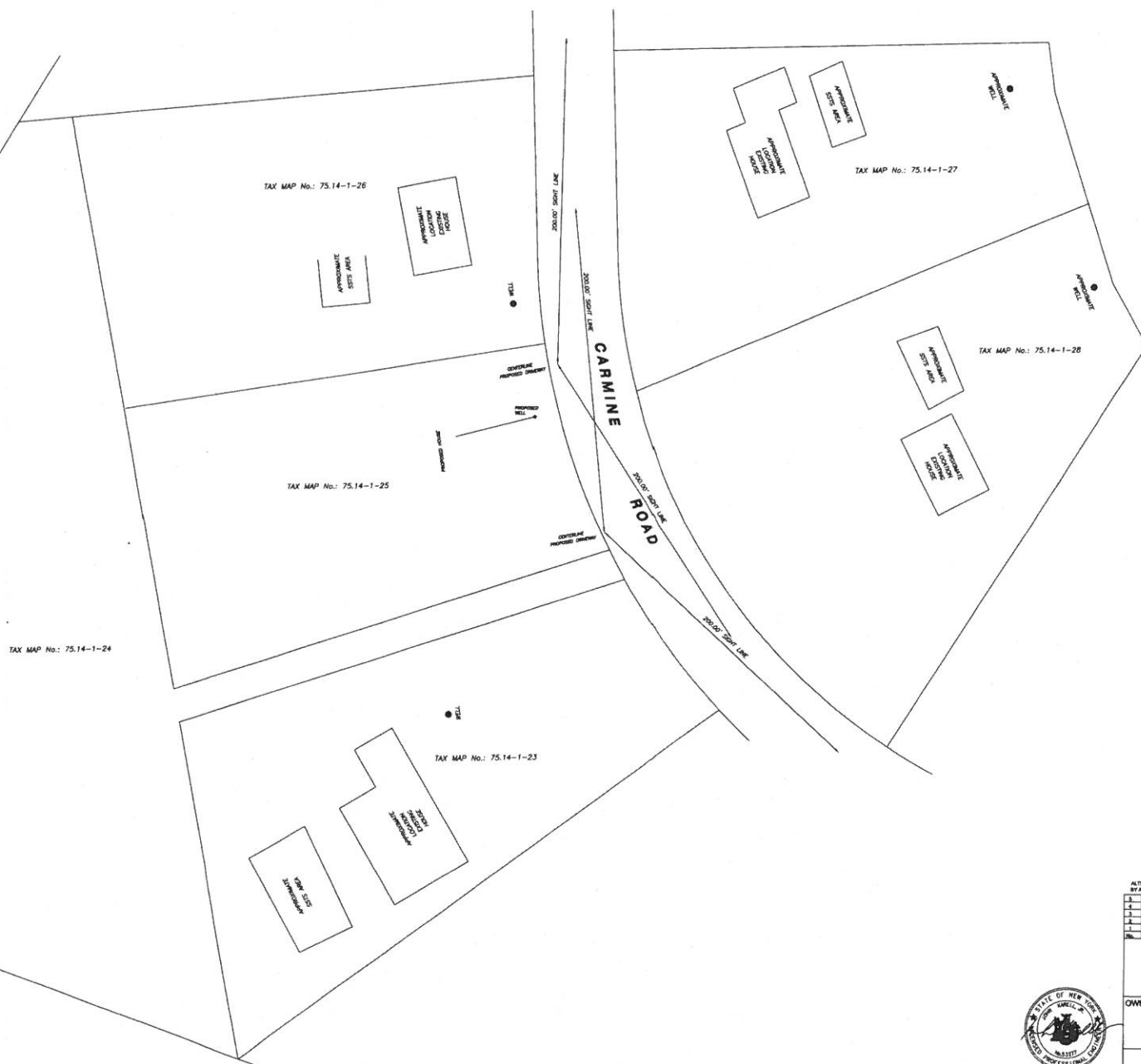
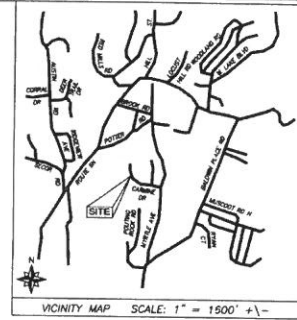
1. Install all erosion and sediment control measures.
2. Field delineate with orange construction fencing the wetland boundary.  
No machinery shall enter the delineated area.
3. Install stabilized construction entrance.
4. Clear and grub as necessary for construction of the house, driveway and septic system.
5. Perform grading for the house and driveway.
6. Install base course of the driveway.
7. Begin house construction.
8. Install septic system and utilities
9. Install top course of the driveway
10. Seed and mulch all disturbed areas.
11. Remove silt fencing after all up gradient areas are fully stabilized and vegetated.

It is believed that this construction sequence will convey stormwater through the work area in a manner that will not result in a turbid discharge of sediment laden water to the receiving watercourse and wetland.

#### **VII. Conclusions**

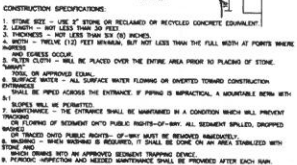
In conclusion, the proposed project shall not result in any negative impact to existing hydrologic condition at the vicinity of the property and proposed storm water management practices conforms to NYSDEC Storm water Management Design Manual. In addition, the design of all storm water management practices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



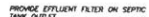
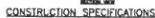


ALTERNATION OF THIS DRAWING OR ARCHITECT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS LEGAL, ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL, SIGNATURE AND DATE OF A TESTATION.					
1	10-11-17	COMMENTS			
2	05-20-17	COMMENTS			
3	02-21-17	COMMENTS			
4	01-10-17	RETS. REVISED			
5	11-01-17	AL - REVISED	8	3-18-18	COMMENTS
6	06-17				
<p align="center"><b>JOHN KARELL, JR. P.E.</b></p> <p align="center">121 CUSHMAN ROAD PATTERSON, NEW YORK 12563</p>					
OWNER:	<p align="center"><b>JOSEPH &amp; CONCETTA MAZZOLA CARMINE DRIVE CARMEL (T)</b></p>				646-676-1816 (phone) 646-676-1818 (fax) jpkarell@earthlink.net
<p align="center"><b>ADJOINERS WELLS &amp; SEPTIC MAP SIGHT LINE DISTANCE</b></p>			SCALE: <p align="center">1" = 30'</p>	LATEST REVISION:	SHEET No. <p align="center">S-2</p>





STABILIZED CONSTRUCTION ENTRANCE  
N.T.S.

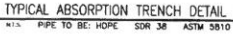


### SEPTIC TANK SPECIFICATIONS & CAPACITIES

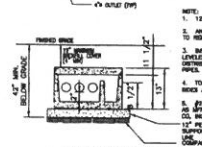
LIQUID CAPACITY	A	B	C		D		E	F
	LENGTH	WIDTH	WHEAT HC-10 HC-20	HC-10 HC-20	HOOD	HC-10 HC-20	INLET/ OUTLET	NR
1000 OIL	8'-6"	6'-10"	6'-6"	6'-8"	5'-7"	6'-0"	5'	15"

SEPTIC TANK

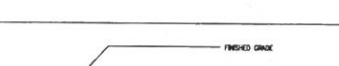
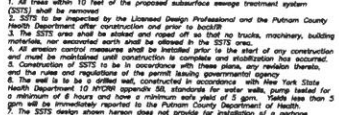
NOT TO SCALE



TYPICAL ABSORPTION TRENCH DETAIL

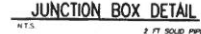


WITH BAFFLE (4 OUTLETS MINIMUM)  
DISTRIBUTION BOX

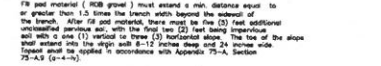


LOOKING WHOLE FRAME AND COVER #14528 AS MANUFACTURED BY "CAMPELL" OR APPROVED

ACCESS to GRADE MANHOLE  
for SEPTIC TANK



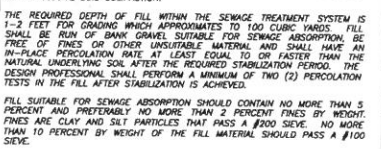
JUNCTION BOX DETAIL  
N.T.S. 2 FT. SOLID PAPER



FILL SECTION DETAIL

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL (2003), AS PUBLISHED BY THE NEW YORK STATE SOIL AND WATER CONSERVATION SERVICE, 615 ROUTE 9W, ALBANY, NY 12242-1299, AND THE NEW YORK SOIL CONSERVATION SERVICE. (REFERRED TO IN REMAINING TEXT AS THE 'NEW YORK GUIDELINES').
2. ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED FOR MORE THAN SIX MONTHS SHALL BE COVERED WITH CONSTRUCTING EROSION CONTROL MATS AND MULCHED WITHIN 14 DAYS OF THE LAST DISTURBANCE, WITH TEMPORARY EROSION CONTROL MEASURES IN PLACE UNTIL THE MATS ARE FULLY ESTABLISHED. COVER THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT. MULCHING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK GUIDELINES, AS FOLLOWS:
  - a. SEED ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS/AC, OTHER SEED MIXTURES AS DESCRIBED IN THE NEW YORK GUIDELINES.
  - b. SEED PERENNIAL ORNAMENTAL GRASS OR FAL SEED WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS PER ACRE.
  - c. LATE FALL OR EARLY WINTER SEED WITH CERTIFIED 'ARJISSTON' WINTER RYE GRASS AT 30 LBS PER ACRE.
  - d. MULCH: 60% DRY OR 80% WET, CLEAN, GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FEET, ON TWO TONS PER ACRE. MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE NEW YORK GUIDELINES. WOOD FIBER HYDROMULCH OR OTHER SPRAYABLE PRODUCTS MAY BE USED INSTEAD OF STRAW, BUT MUST BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. EROSION CONTROL MATS SHALL BE PLANTED ANCHORED TO THE SOIL. MATS SHALL BE USED TO STABILIZE EROSION STEEPER THAN ONE ON TWO, BUT MATS MATING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK GUIDELINES.
4. ANY GRADED AREAS NOT SUBJECT TO FUTURE DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL WITHIN FIVE (5) DAYS AFTER FINAL GRADING, BE COVERED WITH PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:
  - a. STEEP SLOPES OR EROSION SLOPES GREATER THAN 2:1 (H:V) REPAIR SHALL BE COVERED WITH PERMANENT VEGETATIVE COVER.
  - b. RECREATIONAL AREAS AND LAWN REPAIR TO RECREATIONAL AREA IMPROVEMENT SHALL BE COVERED WITH PERMANENT VEGETATIVE COVER.
5. SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
6. PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAIN SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL, EROSION OR SEDIMENT CONTROL MEASURES. ALL EXCESS PERIMETER CUMBERLAND AREAS, EXPOSED EROSION SLOPES, AND EXPOSED EROSION SLOPES SHALL BE GRADED AREA AREA SHALL BE DIRECTED TO THE EROSION CONTROL MEASURES. BARRIERS, DIVERSION SHALLS MAY BE USED TO DIRECT DRAINAGE RUNOFF TO EROSION CONTROL MEASURES.
7. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
8. STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROAD OR OTHER EXISTING OR PROPOSED INFRASTRUCTURE. STOCKPILES SHALL BE PROTECTED BY A SIX FEET HIGH BALE BARRIERS OR A COMBINATION OF BOTH.
9. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED WEEKLY BY THE OWNER OR A LICENSED PROFESSIONAL. INSPECTIONS OF TEMPORARY AND PERMANENT DITCHES, PILES AND STRUCTURES ARE CLEAR OF OBSTRUCTIONS AND BARRIERS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
10. MANDATORY STORMWATER INSPECTIONS SHALL BE PERFORMED WEEKLY AND WITHIN 24 HOURS OF ANY PRECIPITATION EVENT PROCEEDING MORE THAN ONE INCH OF RAINFALL. INSPECTIONS SHALL BE PERFORMED BY A LICENSED CERTIFIED PROFESSIONAL.
11. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION OF THE PROJECT. THE WORK BY THE OWNER, UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR REPAIR OF THE MEASURES.
12. ALL DRAINAGE OUTLETS AND INLETS SHALL BE LINED WITH RIP-RAP AS SPECIFIED ON THE PLANS AND/OR PER ENGINEER.
13. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

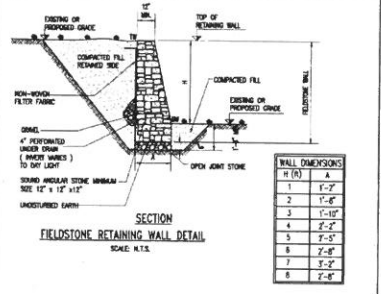


THE IMPERVIOUS FILL SHALL BE A DENSE CLAY TYPE SOIL WITH LITTLE OR NO SEWAGE ABSORPTION CAPACITY.

"This Design Professional has inspected the RCB fill material on \_\_\_\_\_ and  
down hereby certify that such material has been placed and stabilized in accordance with the  
requirements of the NYS Department of Health, the Putnam County Department of Health and the  
approved fill plan. The materials itself has been tested and at this time is considered suitable for use  
in a subsurface sewage treatment system. The soil permeation rate in the settled fill based on  
percolation tests after stabilization is \_\_\_\_\_ min./inch."

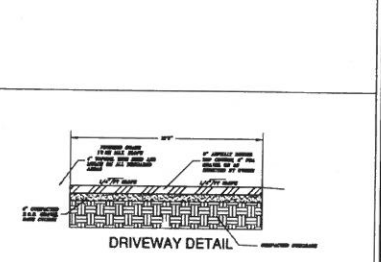
SIGNED: \_\_\_\_\_

John



FIELDSTONE RETAINING WALL DETAIL

SCALE: N.T.S.



DRIVENAT DEL

ALTERNATION OF THE DRAWING 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/HER SIGNATURE AND DATE OF ALTERATION.				
3	10-1-17	COMMENTS		
2	10-10-17			
2	8-21-17	COMMENTS		
2	5-25-17	SETB REVIEWED		
1	1-18-17	26 - RD	6	3-18-18
No.	DATE			COMMENTS

JOHN KARELL, JR. P.E.  
124 CUSHMAN ROAD

121 CUSHMAN ROAD  
PATTERSON, NEW YORK 12563

JOSEPH & CONCETTA MAZZOLA  
CARMINI DRIVE

CARMEL (T)

### DETAILS

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SCALE: 1" = 20'	LATEST REVISION:
DATED:	SHEET No.  D-1
CHECKED:	

