

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

**BOARD MEMBERS**

Edward Barnett  
Vincent Turano  
John Starace

**ENVIRONMENTAL CONSERVATION BOARD AGENDA**

**NOVEMBER 1, 2018 – 7:30 P.M.**

**EXTENSION OF WETLAND PERMIT**

<b><u>APPLICANT</u></b>	<b><u>ADDRESS</u></b>	<b><u>TAX MAP #</u></b>	<b><u>COMMENTS</u></b>
1. 70 Old Route 6 (Formerly Tompkins Recycling)	60 Old Route 6	55.11-1-15	Re-development of Existing Property

**ELIGIBLE FOR A PERMIT**

2. Meyers, Paul & Maria	56 Sycamore Road	76.5-1-21	Demolish Existing Home & Construct Modular Home
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**SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION**

3. Schmitt, Kenneth	803 South Lake Blvd	75.42-1-39	Replace 38 ft of Existing Seawall
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**MISCELLANEOUS**

4. Minutes – 10/4/18



October 15, 2018

Mr. Robert Laga, Chairman  
Town of Carmel ECB  
60 McAlpin Avenue  
Mahopac, NY 10541

Re: 70 Old Route 6 LLC  
Formerly Tompkins Recycling Center  
70 Old Route 6  
T.M. 55.-11-1-15 (?)

Dear Chairman Laga and Members of the Board:

70 Old Route 6 LLC received their wetland permit from the Town of Carmel ECB on March 6, 2017, and it expired on March 16, 2018. On behalf of our client, we request an extension of the original permit.

The applicants submitted transfer forms to the NYSEC for both the Solid Waste Permit and the Wetland Permit issued by the NYSDEC in November 2016. The transfers were not acted upon by NYSDEC, and Putnam Engineering was instructed to submit a new application for the solid waste facility on January 2, 2018. At that time, we believed that the DEC would move forward with the Wetland Permit transfer, but that did not happen. I inquired on July 26, 2018, as to the status of the Wetland Permit transfer and was informed that the applicants are in the six (6) month window (actual permit expires December 31, 2018), and a new application was required. We are presently preparing that application.

With the non-movement of processing our permit applications, I have requested a meeting with the regional director; that request has not been acknowledged, and I sent a second request as of this date.

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  
PML/dac

Kenneth Schmitt  
34 Highbridge Road  
Mahopac, NY 10541

October 25, 2018

Robert Laga, Chairman of the Environmental Conservation Board & Board Members  
Town of Carmel  
60 McAlpin Avenue  
Mahopac, NY 10541

Re: Construction sequence for 803 South Lake Blvd, Tax Map # 75.42-1-39

The following is the project plan for the removal and replacement of approximately 38 feet of existing seawall/bulkhead:

- Install floating silt and turbidity curtain.
- Remove existing (old) unilock retaining wall (pictures attached).
- Install new redi-rock retaining wall units utilizing a boom truck (will be placed on roadside).
- No heavy equipment will be used. All work will be done by hand.
- Less than 200 square feet of area disturbance.
- A spill kit will be on site during construction activities.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Schmitt', written over a horizontal line.

Kenneth Schmitt

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

Name of Applicant: KEN SCHMITT

Address of Applicant: 34 HILLCREST RD MAHOPAC NY Email: \_\_\_\_\_

Telephone# \_\_\_\_\_ Name and Address of Owner if different from Applicant: \_\_\_\_\_

Property Address: 803 SOUTH LAKE BLVD (ROUTE 6N) Tax Map # 75.42-1-39

Agency Submitting Application if Applicable: N/A

Location of Wetland: LAKE MAHOPAC

Size of Work Section & Specific Location: 803 SOUTH LAKE BLVD. MAHOPAC NY

Will Project Utilize State Owned Lands? If Yes, Specify: NO

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). REPLACE APPROX. 38 FT. OF EXISTING SEAWALL/BULKHEAD

THAT IS FAILING/ CREATING A HAZARDOUS CONDITION FOR USERS OF THE PROP.

Proposed Start Date: ASAP Anticipated Completion Date: \_\_\_\_\_ Fee Paid \$ \_\_\_\_\_

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**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.

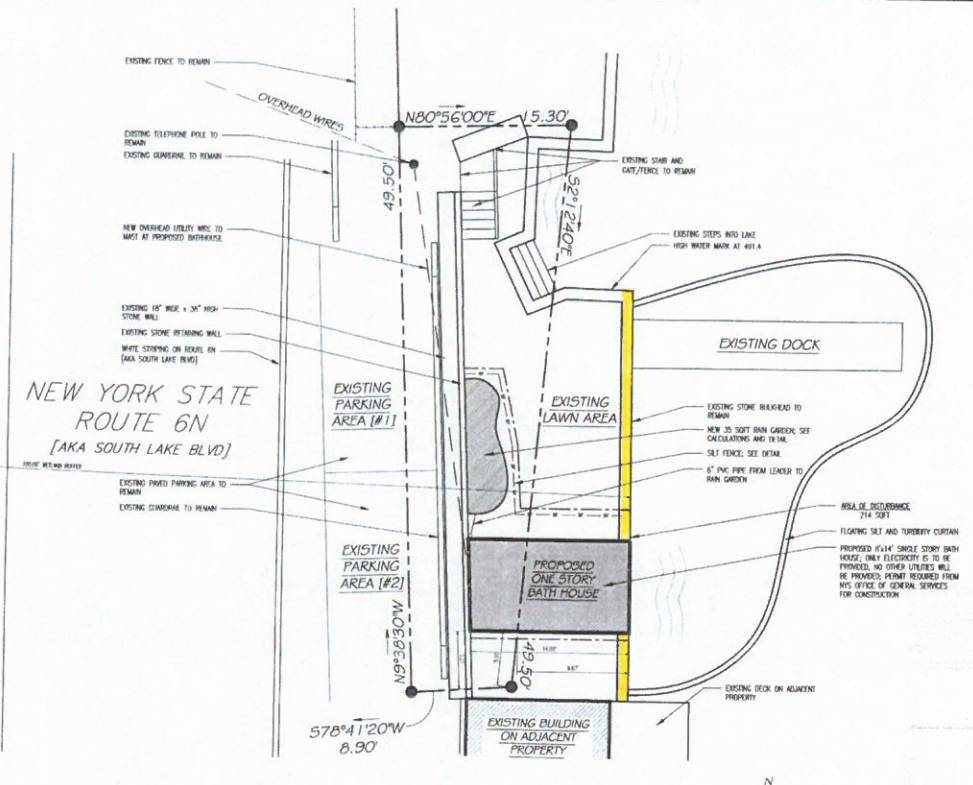
[Signature]  
SIGNATURE

10/16/18  
DATE



100.00' WETLAND BUFFER

**1 SITE PLAN**  
1" = 6'



**RAIN GARDEN CALCULATIONS**

-DRAINAGE AREA: 120 SQFT  
 -DISTANCE TO GARDEN: LESS THAN 30 FT  
 -SOIL TYPE: PAXTON COMPLEX Phd  
 -GARDEN DEPTH: 6 IN.  
 -CALCULATION:  
 $P = 3.14 \text{ [RAINFALL @ 80\%]}$   
 $R_V = 0.029 + 0.000(100) = 0.029$   
 $R_m = 120 \text{ SQFT [AREA OF DRAINAGE]}$   
 $R_{WQ} = \text{WATER QUALITY VOLUME}$

$R_{WQ} = \frac{(D)(R)(A)}{12} = \frac{(3.14)(0.029)(120)}{12} = 29.45 \text{ FT}^3$

$ARG = 35 \text{ SQFT [RAIN GARDEN AREA]}$   
 $DGM = 1 \text{ FT [SOIL MEDIA DEPTH]}$   
 $PSM = 0.29 \text{ [SOIL MEDIA POROSITY]}$   
 $VSM = \text{SOIL MEDIA VOLUME}$

$VSM = (ARG)(DGM)(PSM) = (35 \text{ SQFT})(1 \text{ FT})(0.29) = 7 \text{ FT}^3$

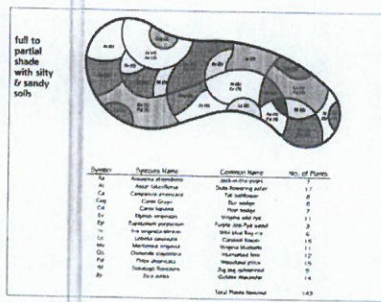
$DOL = 0.5 \text{ FT [DRAINAGE LAYER DEPTH]}$   
 $PDL = 0.40 \text{ [DRAINAGE LAYER POROSITY]}$   
 $VDL = \text{DRAINAGE LAYER VOLUME}$

$VDL = (ARG)(DOL)(PDL) = (35 \text{ SQFT})(0.5 \text{ FT})(0.40) = 14 \text{ FT}^3$

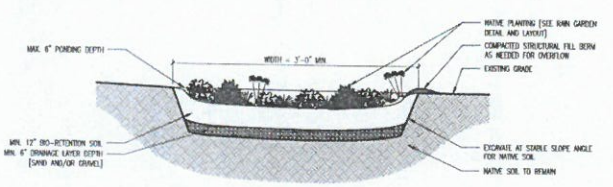
$PDI = 0.5 \text{ FT [POWDERING DEPTH]}$

$R_{WQ} \leq VSM + VDL + (PDI)(ARG) = 29.45 \text{ FT}^3 \leq 7 \text{ FT}^3 + 14 \text{ FT}^3 + (0.5 \text{ FT})(35 \text{ SQFT})$   
 $29.45 \text{ FT}^3 \leq 38.5 \text{ FT}^3$

THEFORE, THE RAIN GARDEN AREA OF 35.00 SQFT IS SUFFICIENT.  
 ALL UNDERGROUND PIPING WILL BE 6" PVC.



**RAIN GARDEN DETAIL AND LAYOUT**  
NOT TO SCALE



**RAIN GARDEN PROFILE**  
NOT TO SCALE

SITE PLAN BASED ON SURVEY BY BILLYMAY & PLAN LAND SURVEYORS, P.C. DATED 10-31-2005



- SEQUENCE OF CONSTRUCTION**
- INSTALL SILT FENCING AS SHOWN ON SITE PLAN
  - ROCKY WETLAND CONSTRUCTION UPON INSTALLATION
  - CLEAR AREA WHERE CONSTRUCTION IS PROPOSED
  - CONSTRUCT RAIN GARDEN AND INSTALL ANY EXISTING SITS TO BE RE-INSTALLED
  - CONSTRUCT UNDERHOUSE
  - INSTALL RAIN GARDEN PLANTINGS
  - CONNECT BODY DRAIN TO RAIN GARDEN
  - CLEAR SITE OF ALL MATERIALS AND SEED LAWN AS NECESSARY.

- NOTES**
- WETLAND INSPECTION TO BE NOTIFIED UPON COMPLETION OF RAIN GARDEN AND SILT FENCE INSTALLATION, IN ORDER TO FURNISH REPORT.
  - THE MAINTENANCE OF THE STORMWATER FEATURES WILL BE COVERED BY THE BEST MANAGED MAINTENANCE AGREEMENT TO THIS PROJECT.
  - WETLAND INSPECTION REPORTS ARE NOT REQUIRED FOR THIS PROJECT.
  - RELEVANT PERMITS WILL BE OBTAINED AS REQUIRED FROM THE APPROPRIATE DEPARTMENT OF THE STATE OF NEW YORK.
  - ALL CONSTRUCTION TO BE COMPLETED BY 11/10/10.

**ARCHITECTURAL VISIONS INC.**

2 MUSCOFF ROAD NORTH  
 MAHOPAC, NY 10841  
 914 645-6288

PROJECT: ZEF SMAJALJ

PROJECT ADDRESS:  
 277 AKA SOUTH LAKE BLVD  
 MAHOPAC, NY 10841

ISSUING ADDRESS:  
 277 AKA SOUTH LAKE BLVD  
 MAHOPAC, NY 10841

**SITE PLAN**

SCALE: AS NOTED

DRAWN BY: ZEF SMAJALJ

PROJECT NO: AS-101


DATE: 05-16-10

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REDI-ROCK



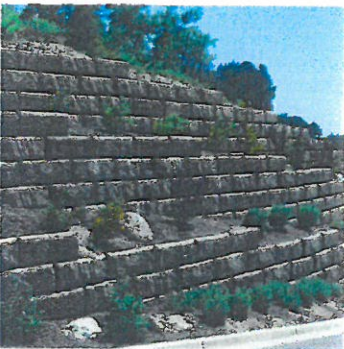
The Limestone texture is available on any Redi-Rock® block. Whether you're building a retaining wall or a freestanding wall, or both—Limestone is a great option.



REDI-ROCK TEXTURE:


LIMESTONE

LENGTH - 46"  
HEIGHT - 18"  
DEPTH 28"  
41"  
60"



Legos. You probably loved them as a kid. We still love them, which is why we created these one-ton Redi-Rock blocks that lock together using a knob and groove system, just like stacking Lego blocks. Now, who wouldn't want a giant block wall on their project?

The design of Redi-Rock blocks goes beyond function, though. These blocks also look great.



Redi-Rock Limestone blocks have a natural split limestone texture that beautifully mimics real quarried stone. These large-scale block faces are perfect for commercial and residential projects—or anything in between!

### Limestone Block Specifications

- Quarried stone texture
- 5.75 square feet (0.5 square meters) of face
- Four unique faces to give walls a random aesthetic
- Approximately 23 square feet (2 square meters) of non-repeating texture available
- Wet-cast concrete gives a greater level of detail and durability

Regional colors and coordinating accessories are available. Contact your local Redi-Rock retailer or visit [redi-rock.com](http://redi-rock.com) to learn more about the Redi-Rock Limestone face today!



## LIMESTONE CASE STUDY



# Redi-Rock PC Ocean Marina Wall Withstands Worst Storm in Years

### The Challenge

In 2012, the City of Rhyl, North Wales launched a massive renovation project. The goal? Transforming the river's edge. This area is subject to large tides and even greater fluctuations in water elevations during storms. To protect the site, designers required a retaining wall solution that could meet the complex structural requirements of the site while providing a scenic park route for pedestrians and cyclists.

### The Solution

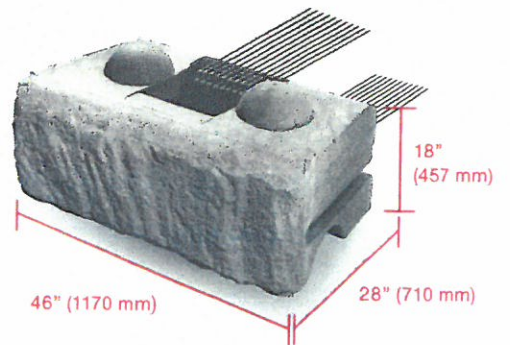
Designers for the project chose the Redi-Rock Positive Connection (PC) System to create the harbour wall that stands 7.4 meters (24.3 feet) high and stretches

188 lineal meters (617 feet). Produced locally by Redi-Rock manufacturer CPM Group, the Redi-Rock PC walls were able to meet the structural requirements of the site as well as provide an aesthetic Limestone finish at a lower cost than other options.

During the 2013-2014 winter season, the new harbour sea wall was put to the test. For days, a storm battered the United Kingdom and caused a 60-year high tidal surge. January wave heights were close to 100-year level.

While this record-setting storm caused damage to many other structures in the area, designers were happy to see that the harbour wall performed exactly as engineered.

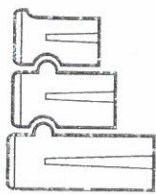
The city was so impressed with how the Redi-Rock wall performed during the storm, they added an additional 1 kilometer (3,280 feet) stretch of Redi-Rock walls.



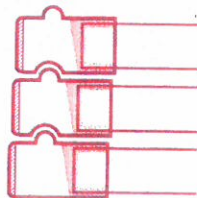
5.75 square feet of face - 1520 pounds  
(0.5 square meters of face - 690 kilograms)

**Project:** Foryd Harbour Enhancement Project **Wall Design:** Groundsolve Ltd Geotechnical Consultants in conjunction with CPM Group **Block Manufacturer:** CPM Group **Project Management:** Denbighshire County Council **General Contractor:** Dawnus Construction **Location:** Rhyl, North Wales, United Kingdom **Completed:** 2013

**Your Complete Wall Solution**—Each block in the Redi-Rock system is available in any texture and can coordinate in the same wall, giving you the flexibility you need.



Gravity Walls



MSE Walls  
(shown above)



Freestanding Walls

See [redi-rock.com](http://redi-rock.com)  
for additional  
products and  
accessories.

**REDI-ROCK**

Contact your local Redi-Rock retailer or visit [redi-rock.com](http://redi-rock.com) to learn more about the Redi-Rock Limestone face today!

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