

Mark & Tracie McGill
51 Corlear Drive
Willsboro, NY 12996

RE: McGill Retaining Wall

To Whom It May Concern,

We are applying for the necessary permits and associated variances to construct a retaining wall along our shoreline at 51 Corlear Drive on Willsboro Bay in Willsboro, NY. As the attached pictures show, the erosion of our shoreline is significant it is threatening the stability of our home. Even though our bank is above the high-water mark, the flooding in the spring of 2011 caused significant erosion. Due to the slope of the property, and the location of the home within approximately 15ft of the bank, each rainfall is further eroding the bank and is posing an increasing threat to the house foundation.

After consulting with an environmental engineer, considering the potential impact to our home and weighing a variety of stabilization options, we are requesting permission to construct an engineered retaining wall using Redi-Rock LedgeStone. We've selected this product for its multi-colored and textured appearance to maintain the natural, aesthetic appeal of the shoreline. In addition to the LedgeStone, we are planning to supplement the existing vegetation with native plantings and incorporate existing rock on the shore at the base of our wall. Tree cutting will be required but minimal, with less than five trees potentially needing removal.

Attached to our application you can find pictures and drawings showing the LedgeStone block, site location and current shoreline condition.

Thank you for your consideration.

Sincerely,

Mark & Tracie McGill



JOINT APPLICATION FORM

For Permits for activities affecting streams, waterways, waterbodies, wetlands, coastal areas, sources of water, and endangered and threatened species.

You must separately apply for and obtain Permits from each involved agency before starting work. Please read all instructions.

1. Applications To:

>NYS Department of Environmental Conservation Check here to confirm you sent this form to NYSDEC.

Check all permits that apply:

<input type="checkbox"/> Stream Disturbance	<input type="checkbox"/> Dams and Impoundment Structures	<input type="checkbox"/> Tidal Wetlands	<input type="checkbox"/> Water Withdrawal
<input type="checkbox"/> Excavation and Fill in Navigable Waters	<input type="checkbox"/> 401 Water Quality Certification	<input type="checkbox"/> Wild, Scenic and Recreational Rivers	<input type="checkbox"/> Long Island Well
<input type="checkbox"/> Docks, Moorings or Platforms	<input type="checkbox"/> Freshwater Wetlands	<input type="checkbox"/> Coastal Erosion Management	<input type="checkbox"/> Incidental Take of Endangered / Threatened Species

>US Army Corps of Engineers Check here to confirm you sent this form to USACE.

Check all permits that apply: Section 404 Clean Water Act Section 10 Rivers and Harbors Act

Is the project Federally funded? Yes No

If yes, name of Federal Agency: _____

General Permit Type(s), if known: _____

Preconstruction Notification: Yes No

>NYS Office of General Services Check here to confirm you sent this form to NYSOGS.

Check all permits that apply:

<input type="checkbox"/> State Owned Lands Under Water	<input type="checkbox"/> Utility Easement (pipelines, conduits, cables, etc.)	<input type="checkbox"/> Docks, Moorings or Platforms
--	---	---

>NYS Department of State Check here to confirm you sent this form to NYSDOS.

Check if this applies: Coastal Consistency Concurrence

2. Name of Applicant _____ Taxpayer ID (if applicant is NOT an individual) _____

Mark and Tracie McGill _____

Mailing Address _____ Post Office / City _____ State _____ Zip _____

51 Corlear Drive _____ Willsboro _____ NY _____ 12996

Telephone (518) 569-2782 _____ Email tracie@callidusinc.com _____

Applicant Must be (check all that apply): Owner Operator Lessee

3. Name of Property Owner (if different than Applicant) _____

Mailing Address _____ Post Office / City _____ State _____ Zip _____

Telephone _____ Email _____

For Agency Use Only Agency Application Number: _____

4. Name of Contact / Agent
 Tracie McGill

Mailing Address: 51 Corlear Drive
 Post Office / City: Willsboro
 State: NY Zip: 12996

Telephone: (518) 569-2782 Email: tracie@callidusinc.com

5. Project / Facility Name
 McGill Shoreline Stabilization
 Property Tax Map Section / Block / Lot Number: 21.9-2-13.000

Project Street Address, if applicable: 51 Corlear Drive
 Post Office / City: Willsboro
 State: NY Zip: 12996

Provide directions and distances to roads, intersections, bridges and bodies of water
 located on Willsboro Bay, Lake Champlain

Town Village City County: Essex Stream/Waterbody Name: Lake Champlain

Project Location Coordinates: Enter Latitude and Longitude in degrees, minutes, seconds:
 Latitude: 44° 41511' Longitude: -73° 390011'

6. Project Description: Provide the following information about your project. Continue each response and provide any additional information on other pages. **Attach plans on separate pages.**

a. Purpose of the proposed project:
 Stabilize up to 50ft shoreline to stop erosion threatening family home

b. Description of current site conditions:
 Shoreline bank eroding; bank is above high-water mark however in the spring of 2011, the lake water reached the bank causing significant erosion. Due to the slope of the property, and the location of the home within approx 15ft of the bank, each rainfall is causing further erosion and is posing a threat to the house foundation. see attached pictures

c. Proposed site changes:
 Construct engineered retaining wall using Redi-Rock LedgeStone to stabilize bank. see attached picture showing the ledgeStone block proposed.

d. Type of structures and fill materials to be installed, and quantity of materials to be used (e.g., square feet of coverage, cubic yards of fill material, structures below ordinary/mean high water, etc.):
 Redi-Rock block system

e. Area of excavation or dredging, volume of material to be removed, location of dredged material placement:
 Bank along shoreline, above high-water mark, no excavation or material placement to be done in the water. See attached drawing of area.

f. Is tree cutting or clearing proposed? Yes If Yes, explain below. No
 Timing of the proposed cutting or clearing (month/year):
 Number of trees to be cut: 3-5 Acreage of trees to be cleared: 0

g. Work methods and type of equipment to be used:

Small excavation equipment and shovels to dig leveling area and place blocks

h. Describe the planned sequence of activities:

Prepare base and leveling pad, place base blocks, place and compact backfill, place next row of blocks in running bond configuration, place and compact backfill and repeat for subsequent rows of block.

i. Pollution control methods and other actions proposed to mitigate environmental impacts:

Erosion\silt fence

j. Erosion and silt control methods that will be used to prevent water quality impacts:

Erosion\silt fence

k. Alternatives considered to avoid regulated areas. If no feasible alternatives exist, explain how the project will minimize impacts:

Impacts will be minimized by: placing the wall above the high-water mark; using multi-color LedgeStone block to maintain the natural looking aesthetic appeal of the shoreline; supplement existing vegetation with native plantings; and incorporating stairs to allow access to the shoreline

l. Proposed use: Private Public Commercial

m. Proposed Start Date: Estimated Completion Date:

n. Has work begun on project? Yes If Yes, explain below. x No

o. Will project occupy Federal, State, or Municipal Land? Yes If Yes, explain below. x No

p. List any previous DEC, USACE, OGS or DOS Permit / Application numbers for activities at this location:

q. Will this project require additional Federal, State, or Local authorizations, including zoning changes?

Yes If Yes, list below. No

Town of Willsboro, APA

7. Signatures.

Applicant and Owner (If different) must sign the application.

Append additional pages of this Signature section if there are multiple Applicants, Owners or Contact/Agents.

I hereby affirm that information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief.

Permission to Inspect - I hereby consent to Agency inspection of the project site and adjacent property areas. Agency staff may enter the property without notice between 7:00 am and 7:00 pm, Monday - Friday. Inspection may occur without the owner, applicant or agent present. If the property is posted with "keep out" signs or fenced with an unlocked gate, Agency staff may still enter the property. Agency staff may take measurements, analyze site physical characteristics, take soil and vegetation samples, sketch and photograph the site. I understand that failure to give this consent may result in denial of the permit(s) sought by this application.

False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the NYS Penal Law. Further, the applicant accepts full responsibility for all damage, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and agrees to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from said project. In addition, Federal Law, 18 U.S.C., Section 1001 provides for a fine of not more than \$10,000 or imprisonment for not more than 5 years, or both where an applicant knowingly and willingly falsifies, conceals, or covers up a material fact; or knowingly makes or uses a false, fictitious or fraudulent statement.

Signature of Applicant

Date

Applicant Must be (check all that apply): Owner Operator Lessee

Printed Name

Title

Signature of Owner (if different than Applicant)

Date

Printed Name

Title

Signature of Contact / Agent

Date

Printed Name

Title

For Agency Use Only

DETERMINATION OF NO PERMIT REQUIRED

Agency Application Number

(Agency Name) has determined that No Permit is required from this Agency for the project described in this application.

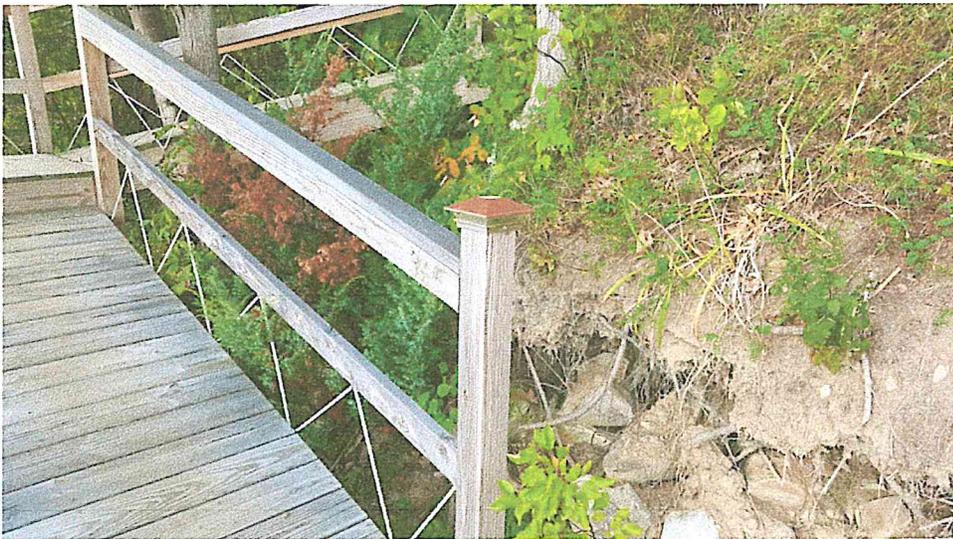
Agency Representative:

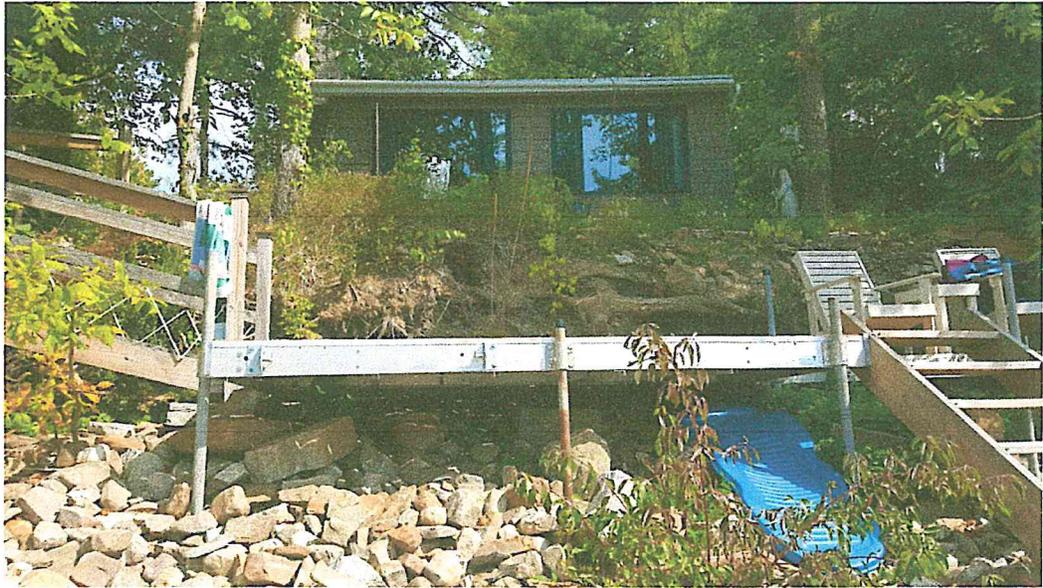
Printed Name

Title

Signature

Date





Approx high-water mark

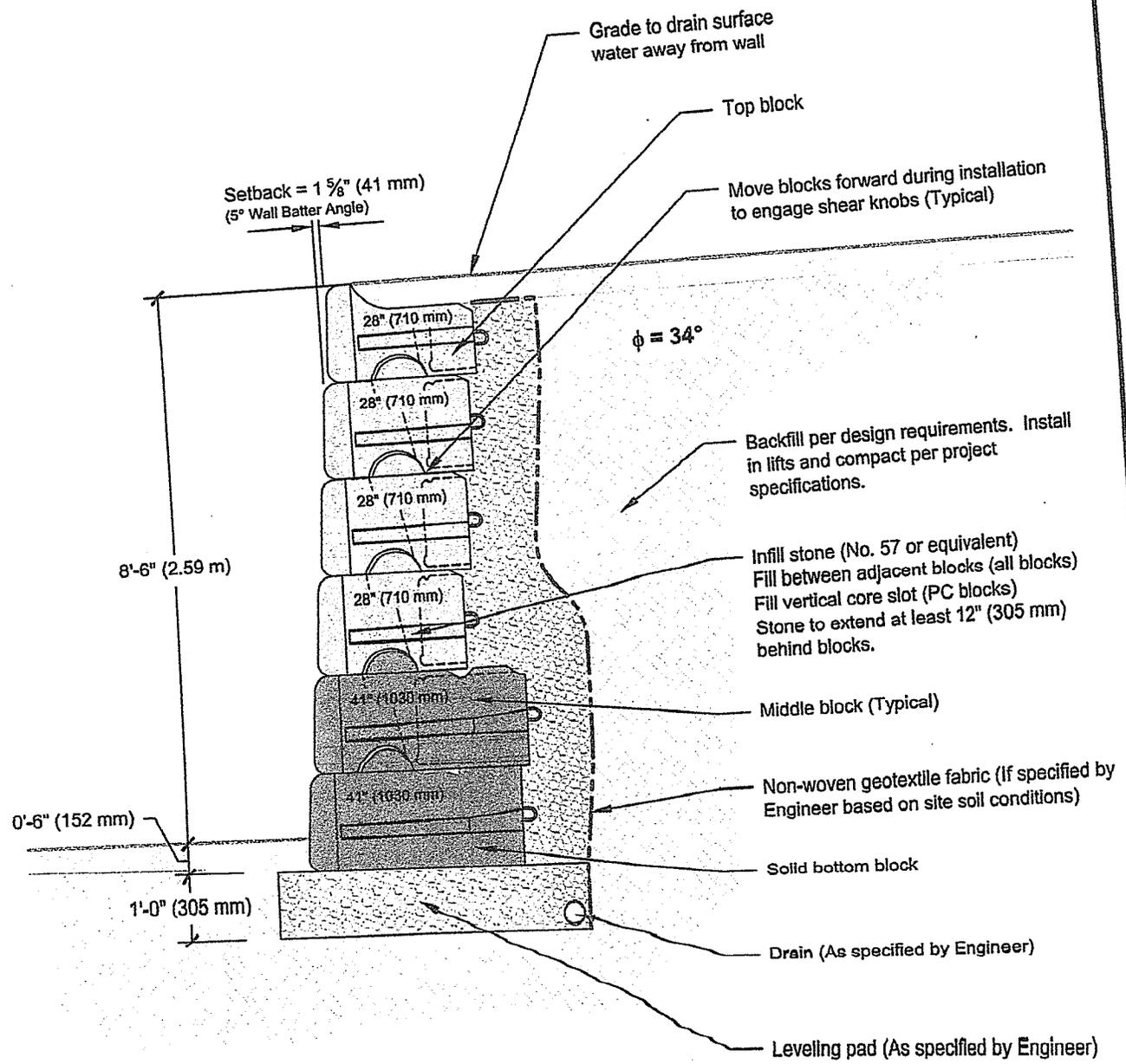


$\phi = 34^\circ$ | DENSE WELL-GRADED SAND OR SAND AND GRAVEL
LOAD CONDITION A | NO LIVE LOAD SURCHARGE, NO BACK SLOPE, NO TOE SLOPE

6 BLOCK HIGH SECTION

(4) 28" (710 mm) Blocks
 (2) 41" (1030 mm) Blocks

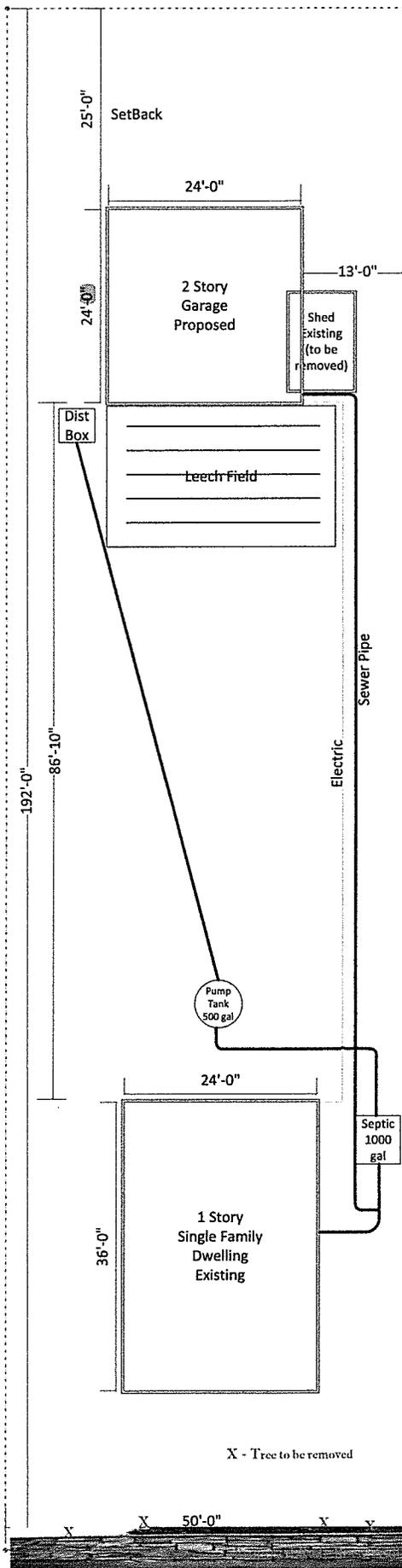
PRELIMINARY
 Professional Engineering Design
 Required for Construction



This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site. Final wall design must address both internal and external drainage and all modes of wall stability.

DRAWN BY: C. Kruger	TITLE: Preliminary Wall Section Dense Well-Graded Sand or Sand and Gravel, $\phi = 34^\circ$ No Live Load Surcharge, No Back Slope, No Toe Slope	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@red-rock.com www.red-rock.com
APPROVED BY: J. Johnson		
DATE: June 4, 2015		
SHEET: 1 of 1	FILE: A_34_B_41_108_cad.dwg	

Shore Road



High Water Mark approx 4ft from proposed wall. T103 by Engineering Survey

Lake

Legend
 - - - - - Property Line
 - - - - - Electric
 - - - - - Sewer Line

51 Corlear Dr
.2 acres



36'-0"

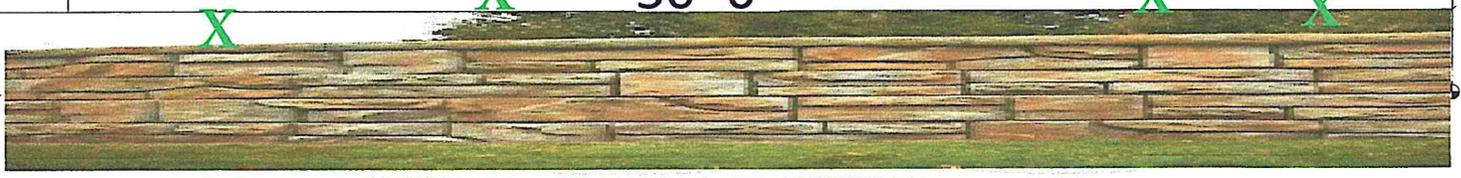
1 Story
Single Family
Dwelling
Existing

Septic
1000
gal

X - Tree to be removed

Proposed Redi-Rock Wall

50'-0"



Lake

High Water Mark approx 4ft from
proposed wall. TBD by Engineering
Survey

Legend

- Property Line
- Electric
- Sewer Line

51 Corlear Dr
.2 acres

