

LANDMARKS COMMISSION APPLICATION

LC

Complete all sections of this application, making sure to note the requirements on the accompanying checklist (reverse).

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call (608) 266-4635

City of Madison
Planning Division
215 Martin Luther King Jr Blvd, Ste 017
PO Box 2985
Madison, WI 53701-2985
(608) 266-4635



1. LOCATION

Project Address: 402 North Thornton Avenue Aldermanic District: 2

2. PROJECT

Project Title/Description: Update to Tenney Lagoon Shoreline Restoration & Tenney Park Bike Path - Leg. ID 37631

This is an application for: (check all that apply)

☐ Alteration/Addition to a building in a Local Historic District or Designated Landmark (specify)**:

☐ Mansion Hill ☐ Third Lake Ridge ☐ First Settlement
☐ University Heights ☐ Marquette Bungalows ☐ Landmark

☐ Land Division/Combination in a Local Historic District or to Designated Landmark Site (specify)**:

☐ Mansion Hill ☐ Third Lake Ridge ☐ First Settlement
☐ University Heights ☐ Marquette Bungalows ☐ Landmark

☐ Demolition

☐ Alteration/Addition to a building adjacent to a Designated Landmark

☐ Variance from the Historic Preservation Ordinance (Chapter 41)

☐ Landmark Nomination/Rescission of Historic District Nomination/Amendment
(Please contact the Historic Preservation Planner for specific Submission Requirements.)

☒ Other (specify):

This update is to replant portions of the shoreline biostabilization that were damaged in the August 2018 flood

3. APPLICANT

Applicant's Name: City of Madison Parks Division Company:

Address: 210 Martin Luther King Jr. Blvd, Room 104, Madison, WI 53703
Street City State Zip

Telephone: 608-261-4281 Email: slerner@cityofmadison.com

Property Owner (if not applicant):

Address:

Property Owner's Signature:  Date: 9/18/19
Street City State Zip

NOTICE REGARDING LOBBYING ORDINANCE: If you are seeking approval of a development that has over 40,000 square feet of non-residential space, or a residential development of over 10 dwelling units, or if you are seeking assistance from the City with a value of \$10,000 (including grants, loans, TIF or similar assistance), then you likely are subject to Madison's lobbying ordinance (Sec. 2.40, MGO). You are required to register and report your lobbying. Please consult the City Clerk's Office for more information. Failure to comply with the lobbying ordinance may result in fines.

4. APPLICATION SUBMISSION REQUIREMENTS (see checklist on reverse)

All applications must be filed by 12:00 pm on the submission date with the Preservation Planner, the Department of Planning & Community & Economic Development, Planning Division, located at 215 Martin Luther King Jr Blvd, Suite 017. Applications submitted after the submission date or incomplete applications will be postponed to the next scheduled filing time. Submission deadlines can be viewed here: <https://www.cityofmadison.com/dpced/planning/documents/2019-LCMeetingScheduleDates.pdf>

APPLICATION SUBMISSION REQUIREMENTS CHECKLIST:

In order to be considered complete, every application submission shall include at least the following information unless otherwise waived by the Preservation Planner.

- ☐ Landmarks Commission Application w/signature of the property owner (1 copy only).
- ☐ Twelve (12) collated paper copies 11" x 17" or smaller (via mail or drop-off) of submission materials (see below).
- ☐ Electronic files (via email) of submission materials (see below).
- ☐ Narrative Description/Letter of Intent addressed to the Landmarks Commission, describing the location of the property and the scope of the proposed project.
 - ☐ Photographs of existing conditions;
 - ☐ Photographs of existing context;
- ☐ Architectural drawings reduced to 11" x 17" or smaller pages which may include:
 - ☐ Dimensioned site plans showing siting of structures, grading, landscaping, pedestrian and vehicular access, lighting, signage, and other features;
 - ☐ Elevations of all sides showing exterior features and finishes, subsurface construction, floor and roof;
 - ☐ Floor Plan views of levels and roof;
 - ☐ For proposals of more than two (2) commercial or residential or combination thereof units, a minimum of two (2) accurate street-view normal perspectives shown from a viewpoint of no more than five (5) feet above existing grade.
- ☐ **Landmarks Commission staff will preliminarily review projects related to the construction of additions and/or new construction with Zoning staff in order to determine the completeness of the submission materials. Applicants are encouraged to contact Zoning staff to discuss projects early in the process;
- ☐ Any other information requested by the Preservation Planner to convey the aspects of the project which may include:
 - ☐ Perspective drawing
 - ☐ Photographs of examples on another historic resource
 - ☐ Manufacturer's product information showing dimensions and materials;
 - ☐ Other _____

CONTACT THE PRESERVATION PLANNER:

Please contact the Preservation Planner with any questions.

City of Madison Planning Division
 215 Martin Luther King Jr Blvd, Suite 017
 PO Box 2985 (mailing address)
 Madison, WI 53701-2985
landmarkscommission@cityofmadison.com
 (608) 266-6552

Project Narrative

Background

In 2015 the City of Madison received approval from the Wisconsin State Historical Society for Tenney Lagoon Shoreline Stabilization and Restoration. This project stabilized and improved the shoreline at the park, while maintaining the park's historic significance and intended style of landscaping as a property registered on the National Register of Historic Places.

This shoreline restoration project included approximately 7,000 feet of eroding shoreline around Tenney Lagoon. The shoreline was stabilized with four treatments: vegetated buffer, coir log revetment, cut limestone steps, and turf reinforcement. The biostabilization plantings associated with the vegetated buffer and coir log installations included primarily native forbs and sedges, as well as woody species reflective of the original historic planting plans by O.C. Simonds and John Nolen.

Vegetated Buffers

Vegetated buffers were installed where the shoreline was either turf grass or invasive vegetation. The vegetated buffer extended through the ordinary high water mark, and into the lagoon. These areas were vegetated with native, herbaceous plants that are better suited for a shoreline than turf grass. The deeper and more vigorous root systems of the native, shoreline plants were planted to anchor non-cohesive soils. These areas were planted with herbaceous plants as well as shrubs.

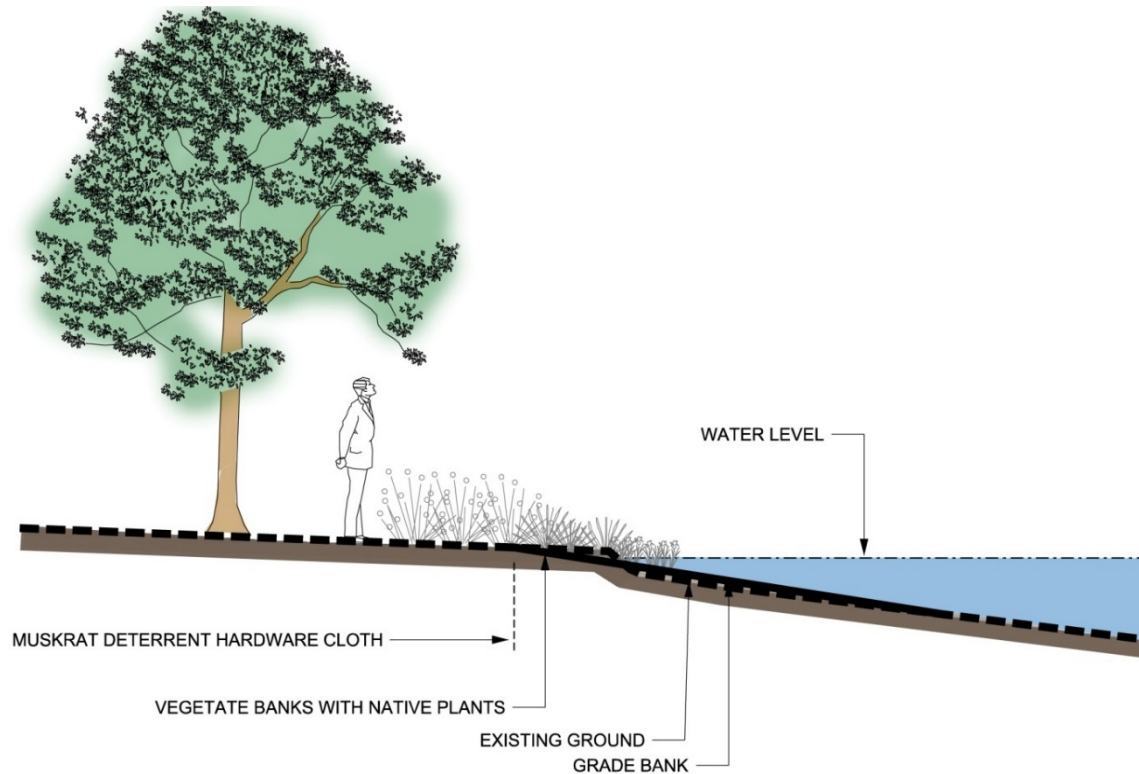


Figure 1: Vegetated buffer typical section.

Coir Logs

Areas where an eroding shoreline is backed by valuable vegetation, efforts were made preserve the vegetation. Instead of removing vegetation and grading the shoreline to a stable slope, coir log was placed in the lagoon a short distance from the eroded shoreline. The coir log was placed at or very near the ordinary high water level. The coir log revetment was planted with herbaceous plants as well as shrubs.

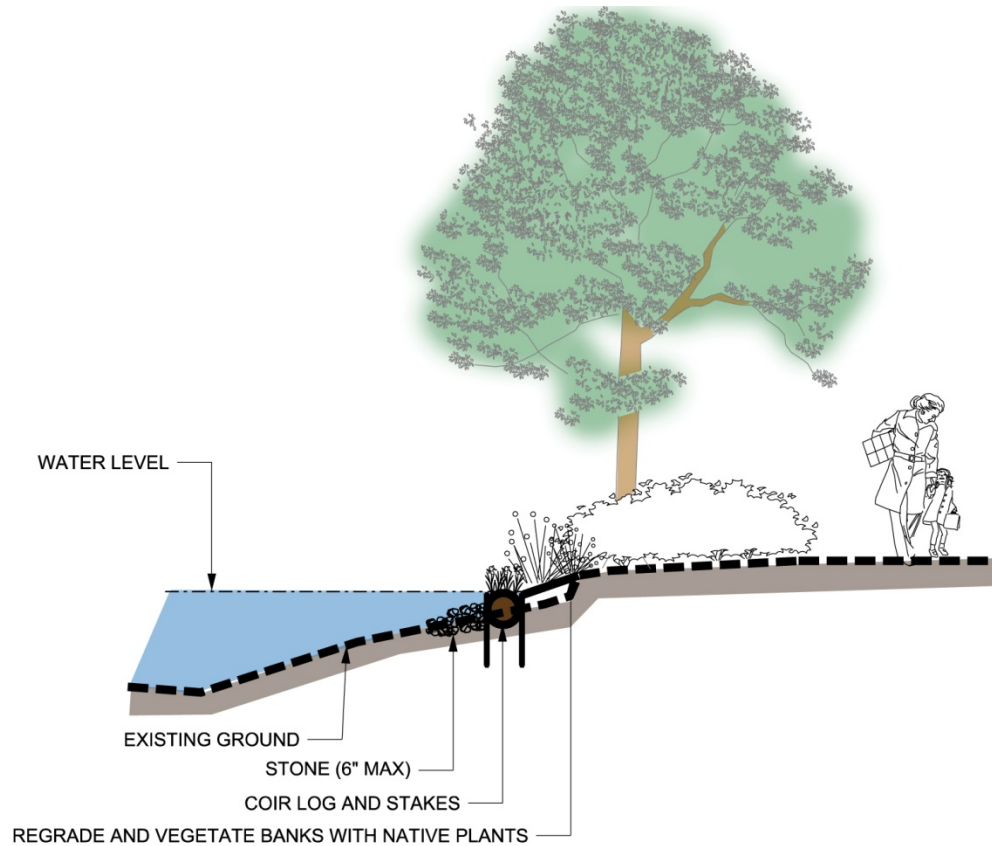


Figure 2: Coir log revetment typical section.

The plantings were installed in 2016 by Eco-Resource Consulting, Inc. an ecological restoration company that specializes in native plant communities. These plantings were maintained in 2017 by this same company. Maintenance included watering, mulching, as well as invasive species management, to protect the newly planted shoreline from being overtaken by invasive species. Eco-Resource Consulting, Inc. was also hired to perform a prescribed burn to help manage invasive species.

In 2018, this area was included as part of a city-wide Invasive Vegetation Control and Maintenance of Native Seed and Plants contract. This contract was awarded to Quercus Land Stewardship Services, LLC, an ecological restoration company. As part of this work, Quercus Land Stewardship Services continued removal of invasive species, and supplemented areas of biostabilized shoreline with native plants and seed.

In August 2018, after three years of plant establishment, the City of Madison experienced prolong flooding conditions. Tenney Park experienced significant damage related to the flood and many parts of the park were under water for several weeks.

Photos of Tenney Park under water during 2018 flood.



On October 19, 2018 FEMA announced that federal disaster assistance would be available to supplement state and local recovery efforts for damage caused by the severe storms between August 17 and September 14, 2018.

Proposed Replanting

The City of Madison will be replanting damaged sections of the shoreline in 2020. Plants proposed for the biostabilization are identified in the this narrative and the included plans. Although native herbaceous biostabilization is not specifically called for in either O.C. Simond's or John Nolen's planting plans, it is consistent with the Prairie School of Architecture that influenced early landscape architects. It is also necessary to provide shoreline erosion control due to anticipated increasing storm events. The below planting list differs slightly from the original planting installed in 2015, it includes more species that are flood tolerant and can thrive in wetter soil conditions, which should have a higher survivability for future flooding events.

Areas along the shoreline where woody shrubs perished due to prolonged flooding, will be replaced with the follow species of shrubs. The below list of shrubs includes species and/or species and genus that were included on John Nolen's planting plans including Viburnum, Ilex verticillata and Sambucus Canadensis. The John Nolen planting includes more detailed planting information that the O.C. Simonds Plan.

SHRUB PLANTINGS	
BOTANICAL NAME	COMMON NAME
Aronia melanocarpa	Black Chokeberry
Aronia melanocarpa 'IROQUOIS BEAUTY'	Iroquois Beauty Chokeberry
Cephalanthus occidentalis	Buttonbush
Ilex verticillata 'Nana'	Red Sprite Winterberry
Ilex verticillata 'Jim Dandy'	Jim Dandy winterberry
Sambucus canadensis	Elderberry
Viburnum trilobum 'Redwing'	Redwing American Cranberrybush

Areas for herbaceous replanting will be replanted with the below species. An unfinished master plan by John Nolen prepared in 1908 calls out that the entire island of the lagoon as "BROAD MEADOW". The majority of the native Wisconsin herbaceous plants below would be appropriate for a meadow planting.

HERBACEOUS PLANTINGS FOR WET MESIC, COIR LOG AND WETLAND EMERGENT PLUGS	
BOTANICAL NAME	COMMON NAME
Forbs	
Acorus calamus	Sweet Flag
Alisma trivale	Water Plantain
Alisma subcordatum	Mud Plantain
Anemone canadensis	Canada Anemone
Ammannia coccinea	Scarlet Toothcup
Asclepias incarnata	Swamp Milkweed
Bidens cernua	Nodding Bur Marigold

<i>Boltonia asteroides</i>	False Aster
<i>Calla palustris</i>	Wild Calla
<i>Chelone glabra</i>	Turtlehead
<i>Eupatorium maculatum</i>	Joe Pye Weed
<i>Eupatorium perfoliatum</i>	Boneset
<i>Iris versicolor</i>	Blueflag Iris
<i>Liatris ligulistylis</i>	Meadow Blazing Star
<i>Liatris spicata</i>	Dense Blazingstar
<i>Lobelia cardinalis</i>	Cardinal Flower
<i>Lobelia siphilitica</i>	Blue Lobelia
<i>Mimulus ringens</i>	Monkey Flower
<i>Rudbeckia triloba</i>	Brown-eyed Susan
<i>Pedicularis lanceolata</i>	Swamp Lousewort
<i>Polygonum amphibium</i>	Water Smartweed
<i>Pycnanthemum virginianum</i>	Mountain Mint
<i>Physostegia virginiana</i>	Obedient Plant
<i>Sagittaria latifolia</i>	Arrowhead
<i>Solidago ridellii</i>	Riddell's Goldenrod
<i>Symphyotrichum novae-angliae</i>	New England Aster
<i>Verbena hastata</i>	Blue Vervain
<i>Veronicastrum virginicum</i>	Culver's Root
Grasses, Sedges and Rushes	
<i>Carex aquatilis</i>	Water Sedge
<i>Carex bebbi</i>	Bebb's Sedge
<i>Carex comosa</i>	Bottlebrush Sedge
<i>Carex gracillima</i>	Graceful Sedge
<i>Carex hystericina</i>	Porcupine Sedge
<i>Carex lacustris</i>	Lake Sedge
<i>Carex lupulina</i>	Common Hop Sedge
<i>Carex muskingmensis</i>	Palm Sedge
<i>Carex stipata</i>	Awl-fruited Sedge
<i>Carex stricta</i>	Tussock Sedge
<i>Carex vulpinoidea</i>	Fox Sedge
<i>Chasmanthium latifolium</i>	River Oats
<i>Eleocharis obtusa</i>	Blunt Spike Rush
<i>Eleocharis acicularis</i>	Needle Spike Rush
<i>Eleocharis palustris</i>	Common Spike Rush
<i>Glyceria striata</i>	Fowl Manna Grass
<i>Juncus effusus</i>	Soft Rush
<i>Juncus torreyi</i>	Torrey Rush

Scirpus atrovirens	Green Bulrush
Scirpus pungens	Three-square Bulrush
Sparganium americanum	Bur Reed

In addition to installation of the plants described above. This project will include supplemental seeding of wet mesic native species along the shoreline at locations identified on the plan and will include primarily the seeds of herbaceous plants identified above.