

Board of Park Commissioners Meeting (12-13-2017)
Wingra Park Shoreline Project

The City of Madison Parks and Engineering Divisions are working to stabilize, repair, and update the shoreline in Wingra Park. The southern boundary of Wingra Park, or the shoreline, has approximately 565 linear feet of shoreline. The proposed project will address approximately 400 feet of the shoreline. The project limits extend from the existing boat launch to the eastern property line.

Amenities to be included in the shoreline repair include approximately 350 linear feet of eroding shoreline and two concrete abutments and their associated pier structures. This project will also address an asphalt path adjacent to the shoreline that is in poor condition.

The proposed project will:

- Stabilize the eroding shoreline with encapsulated soil lifts and stone
- Install a 15-foot set of limestone steps
- Install an articulated concrete block canoe/kayak launch
- Replace the rotting wood pier
- Replace the existing asphalt path along the shoreline

The project is tentatively scheduled to begin when weather conditions permit shoreline work, or when ice is off the lake. The project will be completed by Memorial Day 2018.



The shoreline along the park as it exists today.



Although the shoreline appears stabilized from a distance, the existing vegetation is not adequately holding the bank.



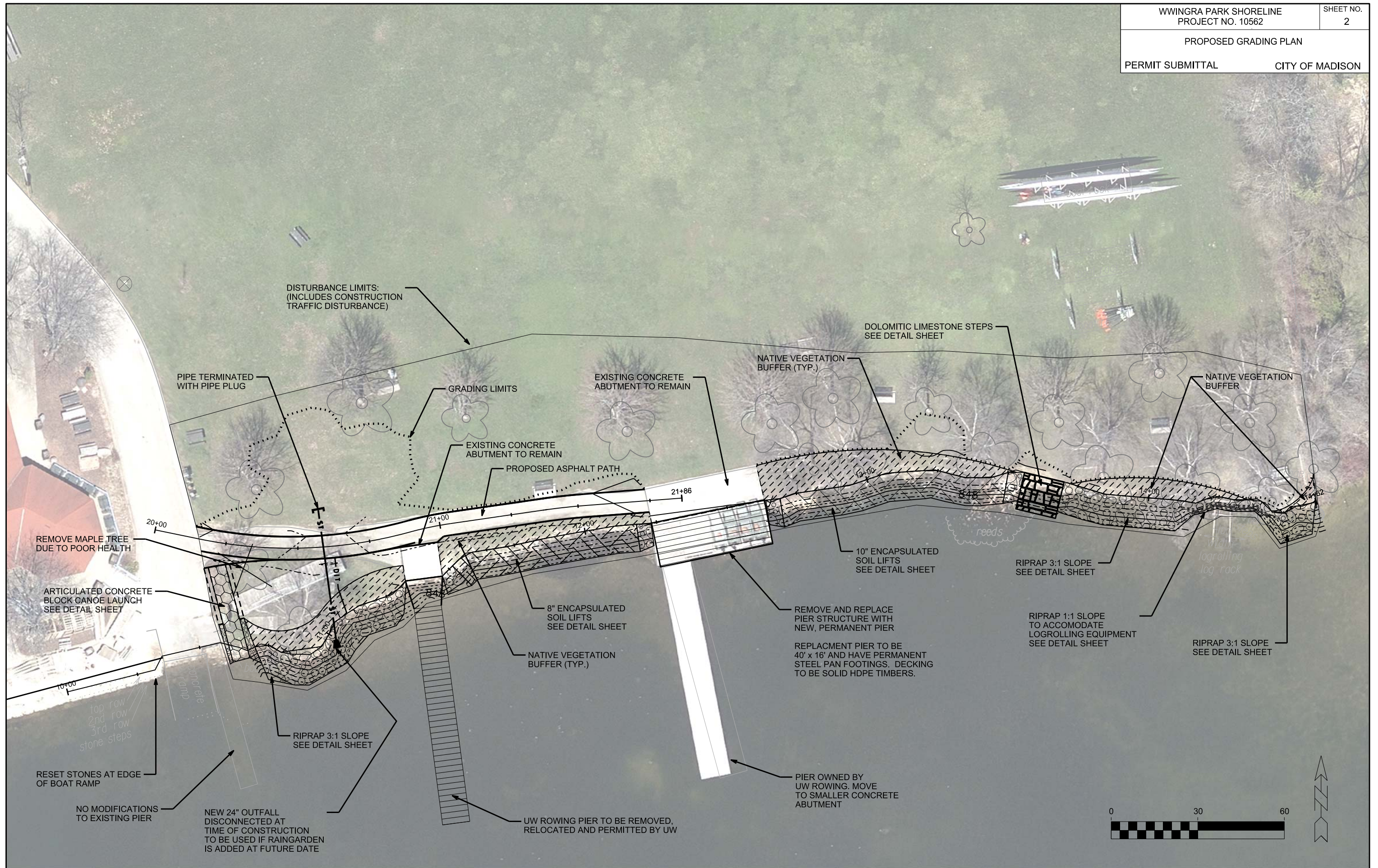
The wooden pier has rotted decking and is a potential hazard. The concrete abutment is in good condition and will remain in place. A new, permanent dock structure will be built off the existing abutment. The floating dock attached to the wooden pier will be relocated to the smaller concrete abutment on-site.



The asphalt path on site will be removed and replaced. The alignment will change slightly.



The existing boat launch will not be disturbed or altered. A graded, articulated block canoe launch will be constructed immediately east of the dock.



DISTURBANCE LIMITS:
(INCLUDES CONSTRUCTION
TRAFFIC DISTURBANCE)

DOLOMITIC LIMESTONE STEPS
SEE DETAIL SHEET

PIPE TERMINATED
WITH PIPE PLUG

GRADING LIMITS

EXISTING CONCRETE
ABUTMENT TO REMAIN

NATIVE VEGETATION
BUFFER (TYP.)

NATIVE VEGETATION
BUFFER

EXISTING CONCRETE
ABUTMENT TO REMAIN

PROPOSED ASPHALT PATH

21+86

REMOVE MAPLE TREE
DUE TO POOR HEALTH

20+00

ARTICULATED CONCRETE
BLOCK CANOE LAUNCH
SEE DETAIL SHEET

10" ENCAPSULATED
SOIL LIFTS
SEE DETAIL SHEET

RIPRAP 3:1 SLOPE
SEE DETAIL SHEET

RIPRAP 3:1 SLOPE
SEE DETAIL SHEET

RIPRAP 1:1 SLOPE
TO ACCOMODATE
LOGROLLING EQUIPMENT
SEE DETAIL SHEET

REMOVE AND REPLACE
PIER STRUCTURE WITH
NEW, PERMANENT PIER

REPLACEMENT PIER TO BE
40' x 16' AND HAVE PERMANENT
STEEL PAN FOOTINGS. DECKING
TO BE SOLID HDPE TIMBERS.

8" ENCAPSULATED
SOIL LIFTS
SEE DETAIL SHEET

NATIVE VEGETATION
BUFFER (TYP.)

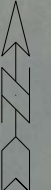
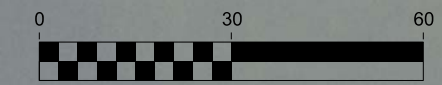
RIPRAP 3:1 SLOPE
SEE DETAIL SHEET

RESET STONES AT EDGE
OF BOAT RAMP

NEW 24" OUTFALL
DISCONNECTED AT
TIME OF CONSTRUCTION
TO BE USED IF RAINGARDEN
IS ADDED AT FUTURE DATE

UW ROWING PIER TO BE REMOVED,
RELOCATED AND PERMITTED BY UW

PIER OWNED BY
UW ROWING. MOVE
TO SMALLER CONCRETE
ABUTMENT



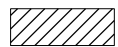
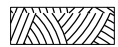

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

BOTANICAL NAME	COMMON NAME	LOCATION
Carex vulpinoidea	Brown Fox Sedge	Encapsulated soil lifts
Carex lurida	Bottlebrush Sedge	Encapsulated soil lifts
Carex muskingumensis	Swamp Oval Sedge	Encapsulated soil lifts
Juncus effusus	Common Rush	Encapsulated soil lifts
Scirpus atrovirens	Dark Green Bulrush	Encapsulated soil lifts
Deschampsia cespitosa	Tufted Hairgrass	Native grasses and sedges
Carex pennsylvanica	Common Oak Sedge	Native grasses and sedges
Carex stricta	Common Tussock Sedge	Native grasses and sedges
Hierochloa odorata	Vanilla Sweet Grass	Native grasses and sedges
Deschampsia cespitosa	Tufted Hairgrass	Mesic forbs
Aster laevis	Smooth Aster	Mesic forbs
Liatris aspera	Blazingstar	Mesic forbs
Rudbeckia triloba	Brown Eyed Susan	Mesic forbs
Rudbeckia hirta	Black Eyed Susan	Mesic forbs
Echinacea purpurea	Purple Coneflower	Mesic forbs
Aster azureus	Sky Blue Aster	Mesic forbs
Monarda fistulosa	Bergamot	Mesic forbs

-  ENCAPSULATED SOIL LIFT PLANTINGS
-  NATIVE GRASSES AND SEDGES
-  MESIC FORBS

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703

play
**MADISON
 PARKS**

Graphical Scale
 0 20 ft



PROJECT:

*WINGRA
 SHORELINE*

*WINGRA PARK
 824 KNICKERBOCK ST
 MADISON, WI 53711*

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
####

SHEET TITLE:
SHEET TITLE HERE

SHEET NUMBER:
L-#

